

€ • , f # 1(ANGPT1)... † ‡ ^ %  
(Š < Œ • Lumi nex Ž • • ' ' " )  
" • , \_ \_ ~ ™  
š • > œ •

ž Ÿ | € £ š • ¨ ¥ • | § ¨ © ª !

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[ ® ° • ]

± ‡ ^ %² • ³ ´ µ ¶ · ¸ ¹ º » ¼ ½ ¾ ¿ À Á Â Ã Ä Å Æ Ç È É , - Á  
Ê Ë Ì Í Î Ï Ñ Ò Ó Ô Õ Ö × Ø

[ ± ^ % Ì Î ]

± ^ Ī Ð	Ñ ¶	± ^ Ī Ð	Ñ ¶
96ÒÓÔÕÖ×Ø	1	96ÒÓÙÚ	4
ÛÜÝ	2	ÛÜÝ Þ Æ Á	1à 20mL
Š á	1	â ã ä å Å	1à 20mL
... † æ Å Å	1à 120çL	... † Þ Æ Å Å	1à 12mL
... † æ Á Æ Ô Þ Æ - SA Ø	1à 120çL	... † Þ Æ Á Æ Þ	1à 12mL
è Á	1à 10mL	é ê ë Á Ô 30 à Ø	1à 20mL
š • > œ •	1		

[ ì í î ï ð ñ ± ^ ]

1. Lumi nex MAGPI Xò ¨ Lumi nex 100ó ¨ Lumi nex 200ó ¨ Å Bi o-Radò, Bi o-Pl exò ã ä ö õ ö ö ÷ š • ø ù ø @ ú , û ü ý í ... þ ÿ Ü Ø
2. Ž Å Œ ¶ Á ÷ ñ
3. Þ Æ Ý í EP • .
4. Å •
5. Š
6. é Á ĩ Î ÷
7. 0.01mol / L Ô Å 1à Ø ä å (PBS) ¨ pH=7.0-7.2
8. ÷
9. Û Ó ÷

[ ± ^ % ï ñ - ]

1. ...† æÁB/ ñ%ÒÓ% | -200CÆ1 †^ &2| 40C% î • |  
2. š• +i †^ %—31 †^ 4i ! 5 †^ " Û# \$i 67% |  
' (—  
†^ %Ń Ū89: ; æ! <=i >9â ?š• @š• +i 31 †^ %ööAB? <=+1CDÍ š• EFÌ G  
ÝH~ I J /%• Äi Û#KÜæ%L~ Í ° âMN%OPµi |

[ Û±i QRS% \_ ]

€• —. ) R| €• â • Êi T€Û±AU6 22~ I Å4OCHV æW+1,000àg ' 20â XæYÄ• Z9æ  
. Ä• 2| -200CÅ-800C% æ[ \ ] ^\_` |  
€¹ —. EDTAÄa„ bK´ c^ QRÛ±æÛ. Û±AQR+i 30â XÍ | 2-80C 1,000àg ' 15â XæYÄ•  
Z9...† æÄ. Ä• 2| -200CÅ-800C% æ[ \ ] ^\_` |  
° » ¼¹ —¥defi ° » gi ¼¹ i h" i ¥d  
1ØY" ¶° » j æA®k PBSÔ0.01mol/Læ pH=7.0-7.2ØÊ• ê I €Áæ¼¹ ømÐnÌ  
2Ø. ° » of~ j æ ¼i p 2AqÄi r st¿ ÄäâÁ(uvIS007æ° wxyÛz Öi { ½¾µ | }  
~¥defi äâÁ)i • € L ÷ ÊÔË~ i ° » • , f„ ØÌ ÔL¶ ...† =1:20-1:50æ †f—1mL¿ Ää  
âÁÊ^ p20-50mg° » ±l Ø  
3Ø. %\* i Š< ÁÆH• Ž• • ' ' . |  
4Ø. gi ýi ¼¹ Á10,000àg ' 5â Xæ" " • æÄ. Z9• | ...† Å2| -200C— % |  
½¾¿ ÄÄ—Aâã †=—Øæ ½¾i ~ • /—h" • • —  
1Ø™š ½¾ > • k PBSœœœ• ê æW+• • z Ö ž Ýæ | 1,000àg ' 5â X+) RÌ ÔŠ ½¾9i  
H ' €£) RØÌ  
2Ø. ) R\* i ½¾• k PBSê 3? @  
3Ø. ½¾• st¿ ÄäâÁnŠ' æ7K107C½¾/¥| æf§i , æ½¾9/ " ©• Žª • • ' æÁ' • |  
4Ø. Û±| 2-80C 1,500àg ' 10â Xæ" " • æÄ. Z9• | ...† Å2| -200C— % |  
½¾ÄÄÄ• ÅÆÇ, —Û±—&1,000àg ' 20â XæYÄ• Z9...† æÄ. Ä• 2| -200CÅ-800C% æ  
[ \ ] ^\_` |  
' (—

- 1. /ÄÛ± i æ % æ40C% ~ | 1« æ-200C¥• H1CDæ-800C¥• H2CDÌ
- 2. Û±~ - æ€i ®~ ° +...† ±§æ • „ æ€Û±¥² " ©„ ³ ...† |
- 3. Û±š• ø° ä´ µ' U6æ¥° ^ úš—` ÀÌ
- 4. ¶ | • ¶ ...† Ñx æ , ¹ ° » š• €• ¼¥O€¹ bK ±" ©...† |

[ Lumi nex200 â ã ô ]

- 1. â ã ...—50uL@
- 2. Æ• ef—Š á MagPlex;
- 3. ½Š á ¶—50¾/¿ ;
- 4. MFI Ä—Medi an.

[ †^ Ûi ]

1. š• ø. i †^ pÛ±ä´ µ' U6Ô18-250CØæf§ > †^ %A—ÁI JÍ ¥Äš• æ&ž Y~±  
? †= i i Ū8p†^ æú. 31i Ū8ñ†^ ! Åµ8Ä% |

2.  $\text{UÜY}(\_ \text{ÄY})-\text{Æ}'' \text{UÜY} \wedge \text{pUÜY} \text{PBA} 0.5\text{mL} \times \text{Çy} + \text{U6È} 2 \cdot \text{É} 10\text{a} \text{X} \times \text{dI} \text{ææÈÈÖ}[\ \backslash ]$   
 $\text{Í} \text{Ø} \times \text{Æ} \text{é} 7\text{K} 10.0\text{ng/mL} \text{Ü} \text{í} 7\text{CPB} \text{ÜÜY} \text{í} \text{EP} \cdot \text{æ} \text{ÆCEP} \cdot \text{É} \wedge \text{p} 300\text{Í} \text{Li} \text{ÜÜY} \text{PBA} \text{æf} \text{Í} \text{\$w}$   
 $\text{?} \text{Ð} \text{†} \text{P} \text{B} \text{f} 10.0\text{ng/mL}, 2.5\text{ng/mL}, 0.62\text{ng/mL}, 0.16\text{ng/mL}, 0.04\text{ng/mL}, 0.01\text{ng/mL}, 0.0\text{ng/mL} \times \text{ÜÜY} \text{P} \text{B}$   
 $\text{Á} (0\text{ng/mL}) \text{Ç} \text{É} \text{b} \text{K} \text{ÖÖÖ} \text{Ì} \text{K} \% \text{Ñ} < = \pm \text{§} \quad < \text{æ} \text{Æ?} < = \& \text{š} \cdot \text{s} \text{í} \text{ÜÜY} \text{æ} \text{Ä} \text{Í}$

item	1	2	3	4	5	6	7	Tube
ANGPT1	10.0	2.5	0.62	0.16	0.04	0.01	0	ng/mL

3.  $\dots \text{†} \text{æ} \text{AA} \text{ñ} \dots \text{†} \text{æ} \text{AB} - \text{Detection A} \text{ñ} \text{Detection BA} \text{š} \cdot \text{ø} \& \cdot \text{Ö} \text{Ó} \text{Ö} - \text{Ä} \text{Ö} \text{Ö} \quad ' \cdot \cdot \times / \text{š} \times \text{ØA} \cdot$   
 $\text{š} \text{Ä}'' \text{Ç} \text{í} \text{Ä} \quad " \dots * \cdot \text{Ü} \text{Í} \text{§} \cdot \text{ø} \text{â} \text{Ú} / \dots \text{†} \text{P} \text{B} \text{AA} \text{AB} 1:100 \text{P} \text{B} (\text{f} - 10\text{Í} \text{L} \dots \text{†} \text{æ} \text{AA} / 990\text{Í} \text{L} \dots \text{†} \text{P} \text{B}$   
 $\text{AA}) \times \text{Ü} \text{â} \text{Ü} \text{¼} \times \text{P} \text{B} \text{ø} \text{Y} \times \text{®} \text{m} \text{P} \text{B} \text{ý} \text{í} \text{Æ?} < = \quad \text{ì} \text{í} \text{½} \text{¶} \text{à} \text{g} (100\text{Í} \text{L} / \text{Ö}) \times < \text{á} \text{à} \text{g} \text{í} \quad \text{à} \text{g} 0.1-0.2\text{mL} \text{Í}$

4.  $\text{é} \text{é} \text{é} \text{Ä} - 580\text{mL} \quad \text{Ä} \quad \cdot \quad \wedge \text{p} 20\text{mL} \text{é} \text{é} \text{Ä} \text{Ö} 30\text{à} \text{Ø} \text{P} \text{B}' 600\text{mL}' \text{â} \text{b} \text{Ä} \text{é} 7\text{Í}$   
 $' (-$

1.  $\text{ÜÜY} \text{í} \text{P} \text{B} \text{¥} \text{Ä} \text{Ç} \text{É} \text{A} \text{Ó} \text{É}'' \text{©} \text{Í}$
2.  $\text{ÜÜY} \& | \text{§} \cdot \text{ø} 15\text{a} \text{X} \text{Í} \text{à} \text{g} \text{Í} > \text{ÜÜY} \text{ä} \text{Ä} \text{š} \cdot \text{-?} \text{Í}$
3.  $\text{ÜÜY} \text{,} \dots \text{†} \text{æ} \text{AA} \text{â} \text{b} \text{Ä} \text{,} \dots \text{†} \text{æ} \text{AB} \text{â} \text{b} \text{Ä} \& \text{š} \cdot \text{È} \text{°} \text{í} \text{P} \text{B} \text{Ä} \text{à} \text{g} \times \text{P} \text{B} \text{Ä} \text{¥} \text{Ä} \text{Ü} \cdot \text{Í} \cdot \text{Ä} \text{ä} \text{æ} \text{æ} \text{â} \text{æ}$   
 $\text{Ü} \text{â} \text{Ü} \text{¼} \times [\ \backslash ] \text{Í} \text{Í} \text{K} \% \text{Ñ} < = \pm \text{§} \text{í} \text{Ü} \text{N} < \& \text{š} \cdot \text{Æ} \text{¶} \quad \cdot \text{x} \text{ü} \text{Ü} \text{Æ} \text{¶} \quad \text{Ä} \text{÷} \text{Í} \& \text{wx} \quad \text{í} \text{í} \text{¶} \text{Ç} \text{N} \text{à}$   
 $\text{g} \times, \text{¶} \text{¥}, \text{š} \cdot \text{Æ} \text{¶} \text{à} \text{g} \text{í} \text{h}'' \text{Ö} \text{f} \quad \text{Y} \dots \text{†} \text{æ} \text{AA} \text{I} \quad \text{x} \text{-?} \text{¥}, \text{~} | 10\text{Í} \text{L} \text{Ø} \times / [\ \backslash \text{è} \text{f} \text{é} 7 \text{é} \text{é} \text{Í}$
4.  $\& \text{en} \wedge \text{š} \cdot \text{í} \text{Ç} \text{P} \text{B} \text{H} \text{í} \text{ÜÜY} \text{,} \dots \text{†} \text{æ} \text{AA} \text{â} \text{b} \text{Ä} \text{p} \dots \text{†} \text{æ} \text{AB} \text{â} \text{b} \text{Ä} \text{Í}$
5.  $\text{é} \text{é} \text{Ä} \text{Ö} 30 \times \text{Ø} \text{É} \text{f} \quad \pm \text{í} \text{ä} \text{-} \times \& \text{m} \text{ó} \text{í} \quad \text{U} 6 \times \text{æ} \text{æ} \text{Ü} \text{¼} \times \text{' } * \pm \text{í} \text{E} \text{T} \text{æ} \text{Ä} \text{í}'' \text{©} \text{à} \text{g} \text{Í}$
6.  $\text{†} \wedge \% \text{É} \text{ð} \text{â} \text{†} \wedge \text{K} \quad \text{Ä} \text{x} \text{ñ} \text{ò} \text{ì} \text{à} 2\text{f} \text{â} \text{b} \text{Ä} \text{+} \text{š} \cdot \text{x} \text{A} \text{à} 2\text{H} \text{ó} \text{É} 9\text{Ä} \cdot \text{K} \text{ó} \text{ö} \quad \text{L} \text{¶} \text{é} \text{Ä} \quad \text{L} \text{ö} \text{÷} \times$   
 $/ \text{ñ} < = \text{È} \quad \cdot \text{ø} \text{ù} \text{ú} \text{ö} 7 \text{é} \text{x} \text{è} \text{f} < = \pm \text{§} \text{¥} \text{Ü} \text{N} \text{x} \text{ü}' \text{E} \text{T} \text{ü} \text{é} \text{Í} \& \text{š} \cdot \text{³} \quad \text{à} 2\text{Í}$

[ Ü±•• ]

1.  $\pm \text{ý} \text{p} \text{ä} \text{y} \text{†} \wedge \% \pm \quad \text{x} \text{¥} \text{y} \cdot \text{š} \cdot > \text{†} \wedge \% \quad \text{è} \text{f} \text{í} \quad \pm \text{ž} \text{ø} \quad \text{x} \& \text{š} \cdot \quad \text{š} \cdot \text{ø} \text{Ü} \text{â} \quad * \pm \text{í}$   
 $9\text{Ä} \text{š} \cdot \text{¶} \text{x} \text{®} \quad \text{Ü} \text{í} \quad \pm \text{Í}$
2.  $< = \text{ø} \text{°} \text{m} \text{®} \text{†} \quad \pm \text{É} \quad \text{†} - \text{é} 7\text{Í} \quad \text{é} 7 \text{¥} \text{A} \text{Ü} \text{Ü} \quad \text{í} \quad \text{Í} \text{Í} \text{x} \cdot \text{ò} \quad \text{N} \mu \text{Æ} \quad \mu < = \text{í} \text{°} \quad \text{Y} \text{P}$   
 $\text{B} \text{Ð} \text{Ñ} \text{Í} \text{f} \text{§} \quad \text{Y} \text{É} \quad \text{†} - \text{é} 7\text{H} \quad \text{Ä} \text{H} \quad \text{x} \& \text{y} \quad \pm \text{ü}'' \quad \text{í} \text{P} \text{B} \text{Ä} \text{é} \text{Í} \quad \pm \text{P} \text{B} \text{ì} \cdot \text{P} \text{B} \text{S} \text{Í}$
3.  $\dots \pm \text{¥} \quad \text{É} \text{A} > \text{æ} \cdot \quad \pm - \text{È} \text{x} \text{ö} \text{ö}'' \text{©} \text{®} < = = \text{Ñ} \text{Æ} \quad < \text{x} \text{ü}' \quad ( \quad \pm \text{Í}$
4.  $\text{š} \cdot \text{Y} \quad \text{¿} \text{AA} \text{g} \text{í} \text{í} \text{°} \text{»} \text{¼} \text{¹} \text{Ä} \text{½} \text{¾} \text{ü} \text{Y} \text{Ä} 9\text{Ä} \text{í} \quad | \quad \text{Y} \quad - \text{L} \text{í} \text{p} \quad < = \pm \text{§} \quad \text{é} \text{Í}$
5.  $\pm \text{K} \text{½} \text{¾} \text{Ä} \text{Ä} \text{Ä} \cdot \quad \text{x} \cdot \text{K} > \text{e} \quad \pm \text{Ä} \text{!} \cdot \text{,} \text{"} \quad \text{x} \text{f} - \text{½} \text{¾} \text{\#} \text{\$} \text{,} \text{½} \text{¾} \text{Ñ} \text{¶} \text{,} \text{Q} \text{Í} \text{J} \% \text{x} \quad / 9\text{Ä} \text{A}$   
 $\dots \text{†} \text{¥} \text{-} \text{í} \& \text{' } \text{Í}$
6.  $( \text{Wz} \text{Ö} \text{Ä} \text{n} \text{°} \text{z} \text{Ö} \text{x} \text{) } * \text{+} \text{ñ}, \text{+n} \text{°} \text{z} \text{Ö} \text{x} 9\text{Ä} \cdot \text{KS} \pm \text{G} \text{Y} \quad \text{š} \cdot \text{í} \dots \text{†} \text{' } \text{ñ} \text{-} \text{' } \text{¥} / \text{à}$   
 $\text{x} \text{¼} \text{¥} \text{x} \dots \text{†} \text{-} \text{Í}$
7.  $\text{ö} \text{ö} \text{š} \cdot \text{st} \quad \pm \text{x} \% \quad \text{Í} \text{J} \text{H} \text{O} 9\text{Ä} \text{í} \cdot \text{z} \text{Ö} 1 \text{Ä} \text{Ä} 2 < \text{¼} \quad < = \pm \text{§} \quad \text{é} \text{Í}$

[ 3b45 ]

1.  $\cdot \quad < = \text{Ó} \text{í} \text{Æ} \text{Ó} \text{Í} \quad \wedge \text{p} 200\text{ul} \text{â} \text{ä} \text{ä} \text{ä} \text{Ä} \cdot / \text{®} 6 \text{x} \quad 7 + \text{A} \quad \text{Ü} \text{Ó} \quad \text{÷} \text{Ä} \text{U} 68 \quad 10\text{a} \text{X} \text{x} - + \text{Ó} \text{Ä} \text{Ò} \text{Í}$   
 $\text{Ä} \quad \text{x} \text{Z} 9 \cdot | \wedge \quad 3\text{b} \text{Í}$
2.  $\wedge \quad - \text{â} \text{Ü} \text{ð} \text{Ü} \text{Ü} \text{Ö} \text{,} \quad \text{†} \quad \text{Y} \text{Ö} \text{,} \text{Ö} \text{Ö} \text{Ö} \text{Í} \text{ð} \text{Ü} \text{Ü} \text{Ö} 7 \text{Ö} \text{x} \text{w?} \quad \wedge \text{p} 100\text{Í} \text{L} \text{¥} \text{d} \text{é} 7 \text{í} \text{ÜÜY} \text{Ö} 9 \text{†} \wedge \text{Ü} \text{í} 2$   
 $\text{Ø} \text{Í} \text{Ö} \text{Ö} \text{Ö} \wedge 100\text{Í} \text{L} \text{ÜÜY} \text{P} \text{B} \text{Ä} \text{Ö} 9 \text{†} \wedge \text{Ü} \text{í} \text{«} : 4 \text{°} \text{+} \text{-} \cdot \text{Ø} \text{x} 1 \text{Ö} \wedge \quad \text{†} \quad \text{Y} \text{Ö} \text{Ä} \text{P} \text{B} \text{+} \text{í} \quad \text{Y} \text{Ø} 100\text{Í}$   
 $\text{L} \text{x} \text{Æ} \text{Ö} \wedge 10\text{ul} \text{Š} \text{á} \text{x} \quad \text{Ü} \text{Ó} \wedge \text{Ä} \text{Ü} \text{Ü} \text{x} 370\text{Ç} \quad \text{Ü} \text{Ó} \quad \text{÷} 6 \text{í} 1.5 \text{~} \text{Í} \text{x} \quad \text{È}; \quad < \text{ð} 2\text{K} 800\text{rpm} \text{x} \quad = 2\text{-} 4\text{mm}$   
 $\text{x} > ? \text{Š} \text{á}'' 1 \text{Í}$

- 3. ÄŠ 2â X+ " Á Š %@i # \$- ÓÅ 2¥• èèì
- 4. ÆÒ^ ...† æÁÂâ bÁ100Î LÔŠ • øàgØ 2 ÛÓÛÛ 2370C ÛÓ ÷ 6î 1~ I 2 È; < ð 2 K 800rpm 2 = 2-4mm 2 > ? Š á " 1 Ì
- 5. ÄŠ 2â X+ " Á 2ÆÒ • 200Î Lî èèÁèè 2AÍ 1-2â X 2 " ÒÍ Á ì n^è Ó 3? Ì ° + - ? èè + 2 YÅB - 31î èèäâÁ 2. ÛÓBCA DÄ 2. E AÒÍ ï Á T ð Á Ì „ Hó • 9í ÈŠ è Ó F G E f Ì
- 6. Í Š 2ÆÒ^ ...† æÁÂâ bÁÔŠ • øàgØ 100Î L 2 ÛÓÛÛ 2370C ÛÓ ÷ 630â X 2 È ; < ð 2 K 800rpm 2 = 2-4mm 2 > ? Š á " 1 Ì
- 7. ÄŠ 2â X+ " Á 2ÆÒ • 200Î Lî èèÁèè 2AÍ 1-2â X 2 " ÒÍ Á ì è Ó 3? 2 h " d 4 5 Ì
- 8. Í Š 2ÆÒ^ è Á 150Î L 2 8 2â X 2 š 2 • HŠ # \$ 2 Z 9 Ä F Í Ñ Ì ' ( -
- 1. ‡ ^ Ûî - Ûî - ? < = ì , ï Û 8 2ÆÇî 9 J Æ Ò Ó Ä : - 2 2 2 ! 5 > æ • , > % 2 / î - ? š • Ì
- 2. ^ - < = 3 b È & š • - ? < ï K L 2 [ \ ö ÷ Ì ^ Í ' ( ¥ , M Í G , 2. Ý ^ Ì Û Ó Û ð 2 , ¶ ¥ Ñ ñ Ò š 2 æ æ Ò È Û ¼ Ì S ] ° ‡ ^ ^ p - 2 ^ Hó È « - C Ò S ° + - C Ò ^ Í J J P , ¶ ~ Ô - Q R g A 10 â X / Í Ø 2 f š S • 2. í ¥ d ï T ® 6 î U Í J 2 J ¼ æ V W ® - \* † ¶ Ä ï Û N < ñ n ^ < Ì K X † Ä ï Û N < 2 ° » ð 2 ^ Ò " © < = Ì
- 3. 6î - K > ? Ý Y 2 < = Í & . ^ Ä Ç Ä Û Û ï Û Ó 2 Ì 6 % Í 2 / [ \ Á Y 2 è Ó + ° , - " © - 4 3 b 2 Z [ Í \ M ° [ \ Û Ó • Ì Ä ] # \$ 2 d Í ° ^ \_ ` a b µ ï 6 î Í J p 6 7 Ì
- 4. èè - Û â èè c d n , 2 A Æ ? èè Hó È 2 M , . èè Á E T Ó Ä Ì f š š • í È è Ó F 2 & A e f š • + ï • Ì g h < = Hó È Ì
- 5. f š < = U Í 6 7 Ì ; 60 % 2 ° » š • ^ 6 ÷ ù 6 7 Ì Ì

[ < = \* • ]

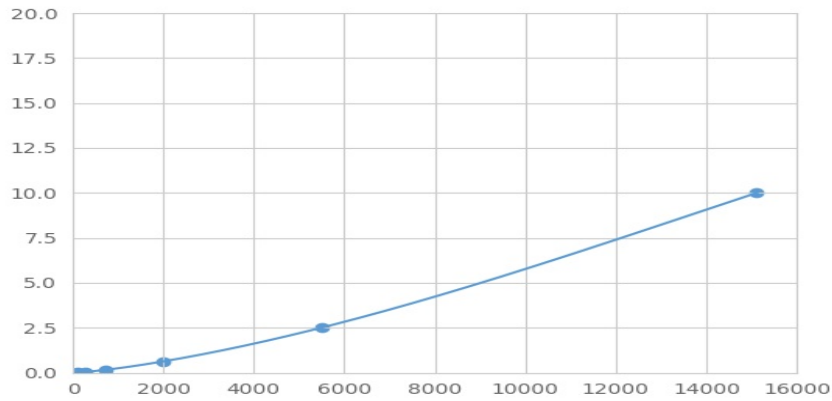
. ANGPT1' x Ì Š < 2 • j k 2 g f Ì È m 2 n 2 • È á Û ^ p Û Û Ý Ä Û ± 2ÆÈ ANGPT1 S o E Ì Í È m Ä ï ^ ± p 2 W + ^ p , - „ Ý ï ANGPT1' 2 A . ± p ï , - „ Ý ^ è ð + 2 ^ p P E Û q ï r p „ 2 P E x s Y + 2 Ý x M F I Ä Ô M e d i a n F l u o r e s c e n c e I n t e n s i t y Ø ï • ~ p Ý È ï ANGPT1 é 7 H g È È Ì • L u m i n e x ä ä ò † µ 2 P B Ý é 7 Ì

[ P B ]

t Û Û Ý ñ ± M F I Ä C I Ò Ö Ò M F I Ä + b Ì Ö u v Ì Ø 2 f ð 2 ^ Ò 2 w ° Y Ä i Ä P B Ì / Û Û Ý ï é 7 K x y Û Ó Ä ý Ñ y Û Ø 2 M F I Ä K z y Û Ó Ä ý Ñ y Û Ø 2 { - Û Û Ó ° h ó h ° w | } h ó P B ï R 2 Ä G µ 2 / R 2 Ä ~ • € Ì 1 K ý Ø Ì ° » š • • , g b f Ä " © ä ä 2 f c u r v e e x p e r t 1.30 2 Ý x Ý M F I Ä 2 Û Û „ - È ° ï é 7 2 ... / P B Ø Ñ @ Ä • Û Û - ï é 7 S M F I Ä P B - Û Û ï | } h ó h 2 . Ý ï M F I Ä † p h ó h 2 P B - Ý é 7 2 ï ... / P B Ø Ñ 2 Z K Ý ï < á é 7 Ì

[ ‡ f Ñ x ]

K X ^ Ì P B 2 , • é 7 K í 2 ¶ ¼ M F I Ä K • 2 ¶ 2 , 1 { Ì Í 4 Q • Û Û Ý ï M F I Ä b K z y Û Ö X % Ø 2 Û Û Ý ï é 7 K x y Û Ö Y % Ø Ì d Ì K X ‡ = ± š Ì Ç Š < 2 Ì È ù Ý ï O \* < Ñ x ¼ c ý Ñ Ä Ì ° » š • ý Ñ Ä ò 2 Û Û Ì Ì Ì < = 3 b 8 Ä ï ¥ d Ó f 3 b , Á • Ž , è Ó • Ž p 6 7 8 Ä % Ø 2 Û Û ï M F I Ä ì è • Ì ù Ý ï Û Û ž Ý • 2 < = ì , Ý x í Ì Ì < = ð 2 Û Û Ì



(€• , f „ 1)...† ‡ ^ %ŪŪ

[ ...† \_\_\_\_\_ ]

0.01-10ng/mL.

[ ° \_\_\_\_\_ † ' ]

„ ÅK20CÖÖ ÝÔZŪŪÝƆBÁØ†µĩ Ā^ : ÐŪŪē ý° ĩ é7ĭ

[ \_\_\_\_\_ • < ]

± ‡ ^ %• | ...† ANGPT1æŒ...† SÆÇÈ' - L" œV" • ] ° ĭ

| - \* • Žň ±G-ĩ ' gæ¥9ÂEƒ ÈÉÅÈ' - L" • ] ° ...† æ• „ ± ‡ ^ % 9ÂS Œ... † ĩ ÆÇ- L " • ] ° ĭ

[ ç æ 7 ]

ç æ 7• Ý†µÀĩ 2• ~ ŃCVj \$ĭ CVŌ%Ø = SD/meanà 100

™ĭ ē-Yd™? ‡ ^ %ÿ , Ê , ÀµÀ ±" ©µ¶...† æÆš ±o> †µ20

? æâÚƆB¥dé7 ±ĩ ĀñSDĀĭ

™J ē-} Y3C¥d™? ĩ ‡ ^ %âÚÿ , Ê , ÀµÀ ±" ©µ¶†µæÆC ±š• d-† ^ %n ^ † µ8? æâÚƆB¥dé7 ±ĩ ĀñSDĀĭ

™ĭ ē- CV<10%

™J ē- CV<12%

[ Pµ< ]

Œ†µæ‡ ^ %A ĩ ĩ œ ! ° » 67% æ• < 1 < . ~ ĭ 5%ĭ

Kž ĩ ĭ ō• „ ý ‡ ^ %ÿ ø+...† Àĩ ®- æ<=Uĩ ĭ ç8Āĩ , ¶%@- æÆEO<=Uĩ 67 , 6 7ñ6ĩ 8Āĩ Æ? d-† <=æG" ©3b9ž¥ ĭ Kéèĭ

[ <=Šó ]

1, <=øŪŪÝ , ‡ ^ ñ ±Ūĩ @

2, ^ ŌŪŪÝĀ ±Ø100ĭ Læ^ Šá æ37OC ŪÓ ÷" ĩ 1.5~ ĭ @

3, Š ÓÅ æ^ ...† æĀA100ĭ Læ37OC ŪÓ ÷" ĩ 1~ ĭ @

- 4, Š éÓ3?@
- 5, ^ ...t æÁB100Ī Lα37OC È" î 30â X@
- 6, Š éÓ3?@
- 7, ^ èÁ150Ī Lα 8 2â X+I ÑĪ

[ > œ ]

- 1, | - 8Ăñ© • Ž i<sup>a</sup> ¥Āÿÿu«ùÿi \* -" ©Tkī - μSâã α±GÝ9Ā A-  
μĪ L¶• Ž®<sup>-</sup>Ī
- 2, ° ° ĩ <=±§S‡^ ĩ < , <= ĩ ÈÉ3b/ñ<=ĵ ϕαoÈÉα&œ Ūĭ Ū ĩ Ū±ĭ šĪ
- 3, ¥d™? ĩ d-GÝ9Āi ¥±ê Ūαf—...t' , 2 3 7α&wx‡^%Ī > œ• " ©<=3bα' μ¶  
• - > œ• ž b• Ī
- 4, ±‡^%à· ‡^ à· š· α¥ĀŪ• Ą, gè«ĭ GÝĪ ā ^\_` a±‡^%Ī <=> œ<sup>1</sup> i %\* °  
ĭ ...t±§Ī
- 5, A ñ6ĭ HóÉ[ \. ‡^ ° » A¼½ĒĪ ‡^ " Ç Ç¾/>? YpĒ, -ö÷α• Kz Ö Ā  
ĭ Ā! . ‡Ā¥ŪNĪ
- 6, ĵ Āĭ ÁÓÓÒĒ9Āi ¥± -Lα, Kgd- Āα¥i ŷ<=±§èfZ[ ®<sup>-</sup>Ī ŪÓĀš•  
Ī J rĀĀY-α&ëùøY-Ī
- 7, | 3b ¥ef , 3bĀéĀüé} • Ī ÑôóÆ%M 9Ā üé±§ĭ G, Ī <=ø&Ç½ĒĪ > œ  
• ŪÉ‡ó÷Ī
- 8, A ±gĭ /ñ3bĭ ĄCHóĒĭ 2ÿM9Ā ¥dĭ <=±§α /KXù <=±§ĭ 9n^< α<  
=ĭ Ą-43bMĭ , ^\_RgĪ
- 9, ‡^%A-Ēø ĄH^\_L...αĒ | 2Ī 8Ăñt <=U8Āê• α9Āi èf<=±§S-Ē±§¥-  
Ā¥d™? ‡^%™JéĪ . ĭ &' Ī
- 10, ±‡^% SĄ, ĒĪ de‡^%Ā¥dh" ...td-yĭ -ĭ GÝüÿtα /¥Ī Ī ...t±§¥- ĭ  
&' Ī
- 11, • | gĭ ‡^%Ē' ĭ \Đ\*ĵ dKn° z ÖαĒ | ĭ n° z Ö } Yĭ ÑĀ, j Ō~ Ó, ôÿhh%  
t ¥dα / , 1 " " %Ñ> ‡^%9• | Ą, ýpn° z Öĭ ...tαĵ d, 1 • ¥ööš• ‡^%...tn  
° z ÖĪ
- 12, &®Ō ÝĒ ‡-ĭ é7αĀ đp®<=Nμ Ý...t é7Ī Ō ĭ • • 9/>? ±Ē ...-Ē¶•  
-‡^%...t Ī
- 13, > ‡^%9Ā¥" • | - <=± < ¥Nμĭ Ō<= Ýĭ ...tα‡fα¶• xĪ <=%Ī
- 14, ±3b> œd " • | 48T‡^%Ī
- 15, > ‡^%ž ŸϕĒš• αf. Ą• | §" ©<sup>a</sup> ĀZ[ Ą, • Øα, ýp. ¥ÿ• „ G, ĭ ŪŪ αŪ¥Ū  
ÝZ[ " p ZĪ

[ ŪŪĀβ ]

ŪŪ	9Ā* •	Āàhá
ŪŪ é	ŪŪŸŪĭ ¥gN	" ©gNĭ ŪŪŸâ 7pβ
	Yñèè¥Ūâ	Ūâĭ Yñèè
	Ā¥çN	..., pÿg Ā÷

ç 7	Šáëë¥Ůâ	! > œ• , >Ůâ8 êëpAÍ
	Ů¼¥Ůâp Y‡^ ¥	ŮâŮ¼p Y‡^
	n^~ • , Ů ÷ pŮŮ	š• ^ ÷, āāsī , š• sī Ů ÷ pŮŮ
	^ ¥çN	...„ pÿg Å÷
MFIÀ	ÆÒ^ ï ‡^ ¶ ¥çN	ÿg Å÷ ççN^ p‡^
	6î   J ¥gN	%ÑŮ ï 6î   J
	6î 67¥gN	‡^ , i µ' U6û%ÑŮNï 6 î 67
	PEŮq- Å	ã ä ‡^
	PEŮq- ÞßÐÑ¥ÿ	! 5> œ• <= 3b
	• -  Ñ  J   Ñ	A> œ• ° » ï   Ñ  J   Ñ
± Å	¥gNï ± hh	gN ± œš• st ± " © <=
	¥gNï ±) Rp•• h"	QYgNï ±) Rp•• h"
	† - LA ± ÊË¶	š• st ± œn^ <=