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Figure 1A

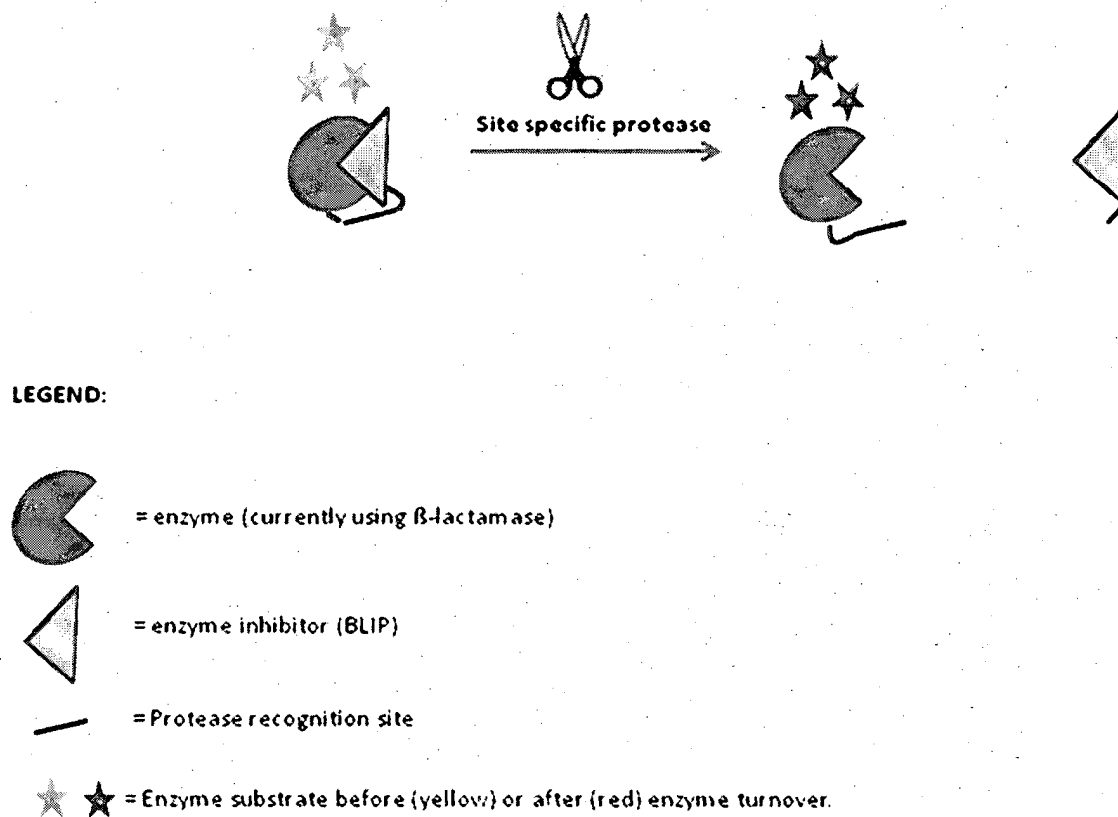
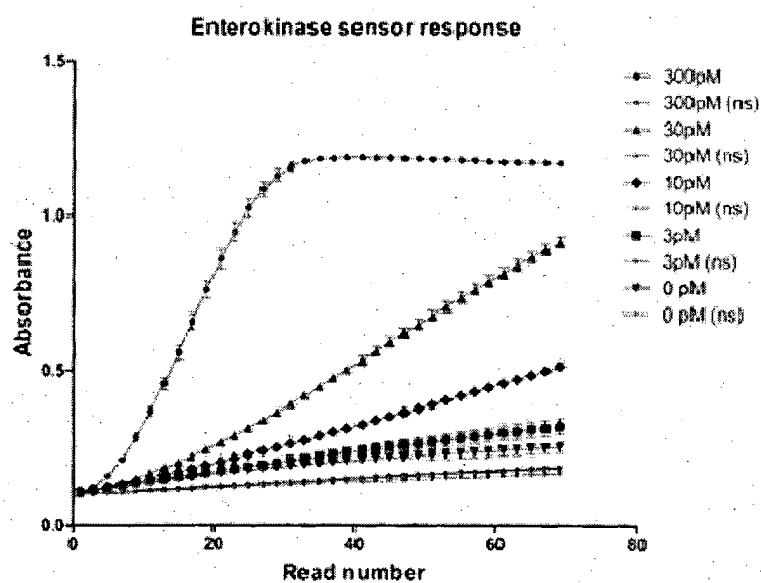


Figure 1B



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Figure 2A

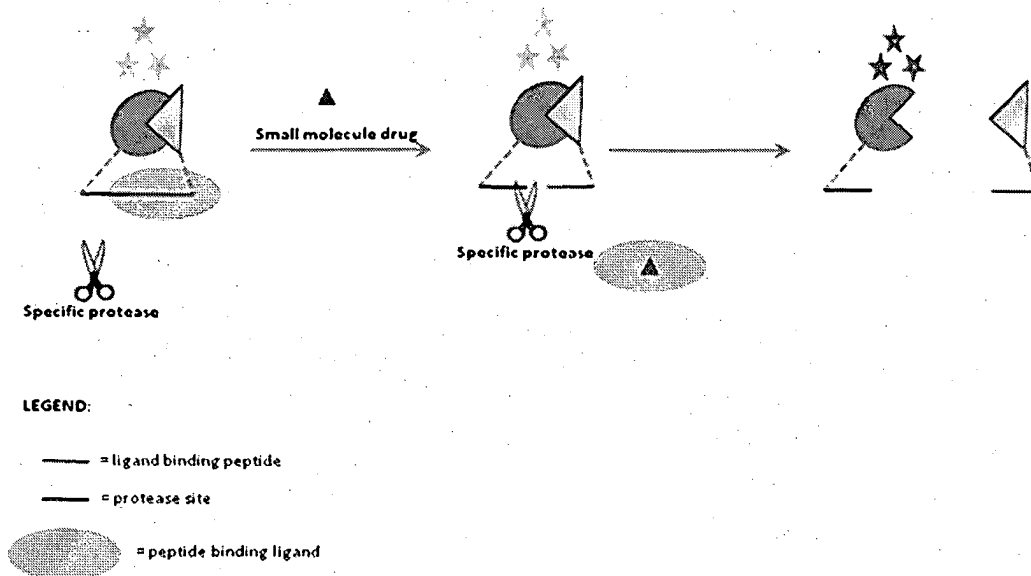


Figure 2B

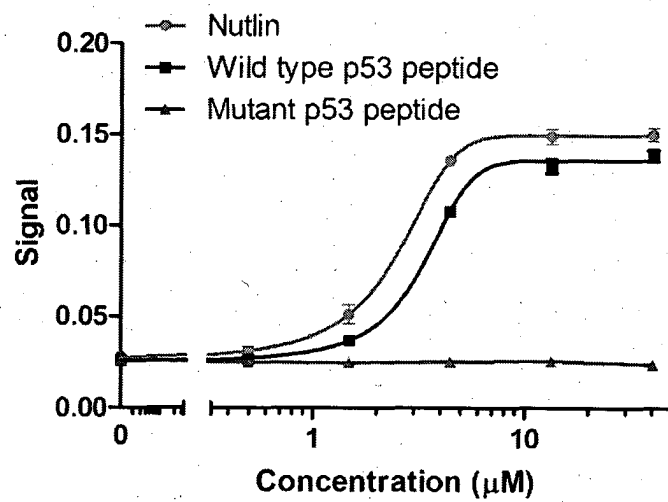
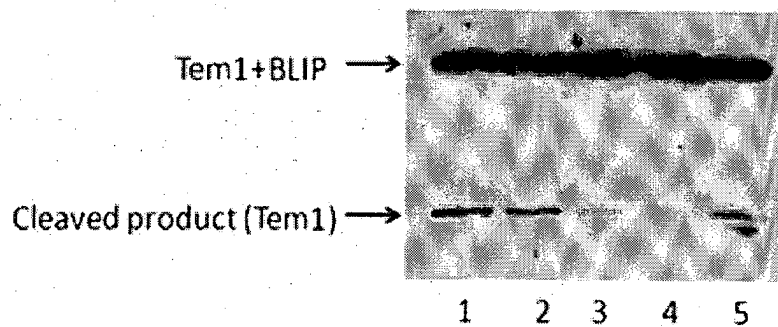


Figure 2C



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Figure 3A

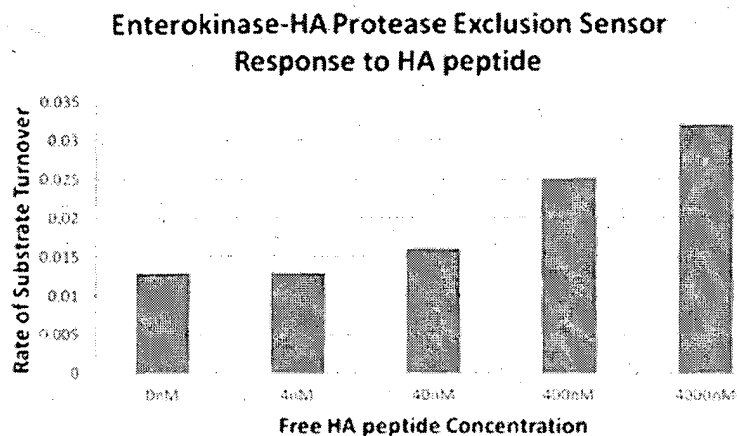


Figure 3B

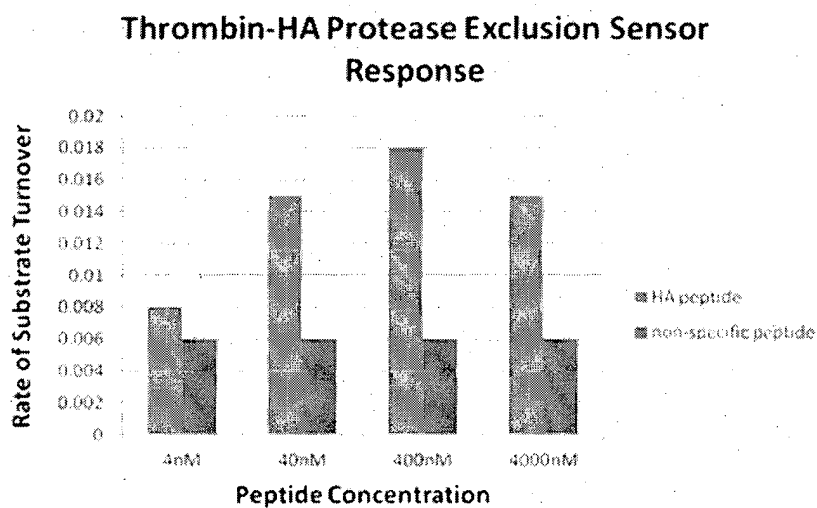
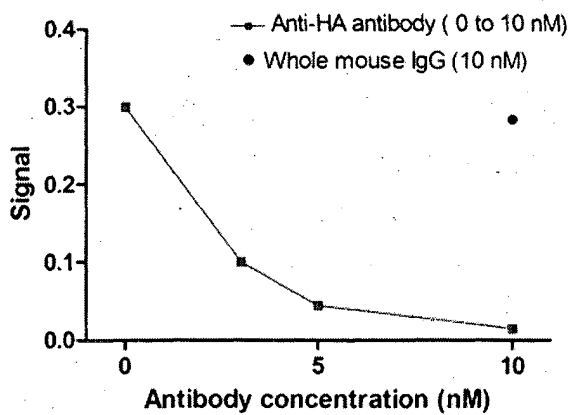


Figure 3C



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Figure 3D

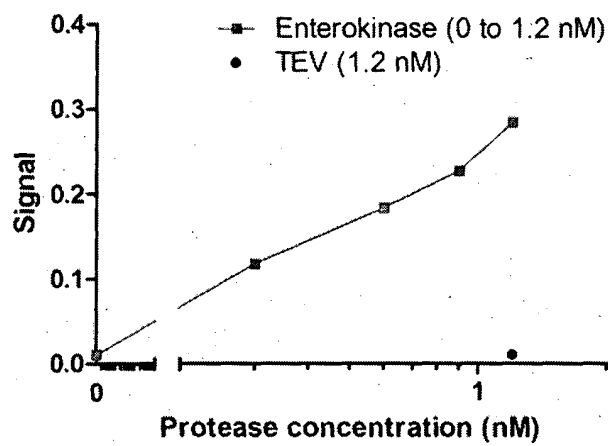
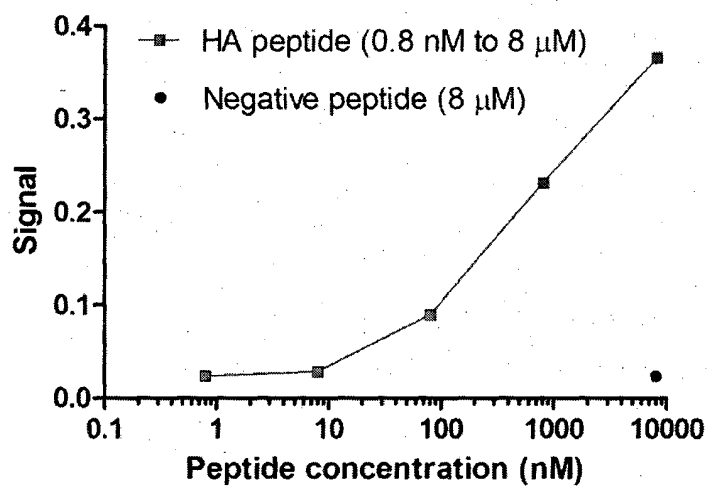


Figure 3E



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Figure 4A

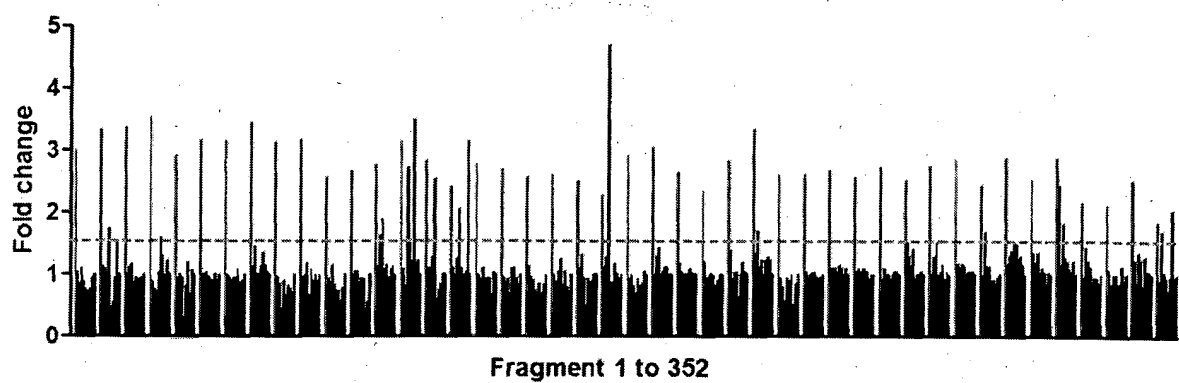


Figure 4B

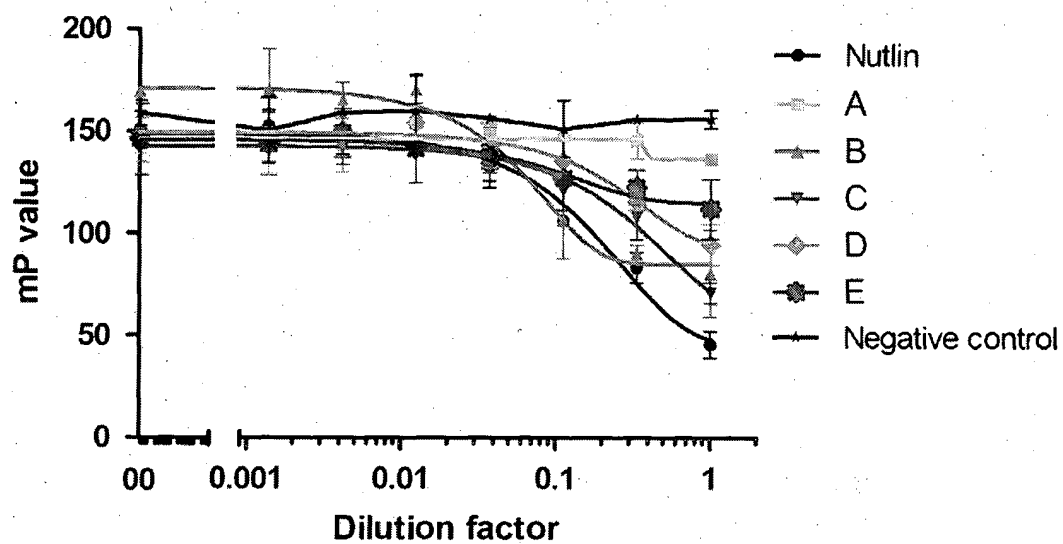
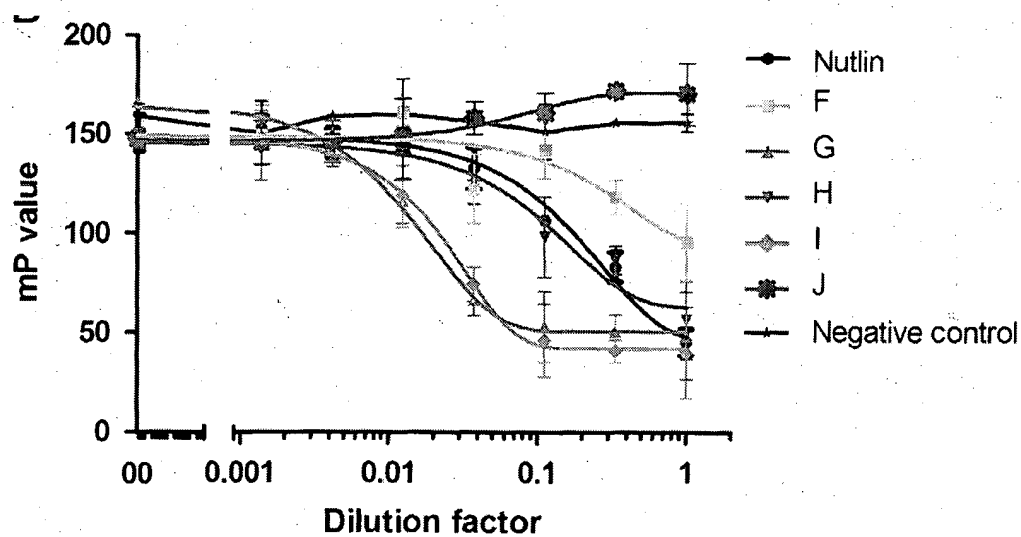


Figure 4C



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Figure 4D

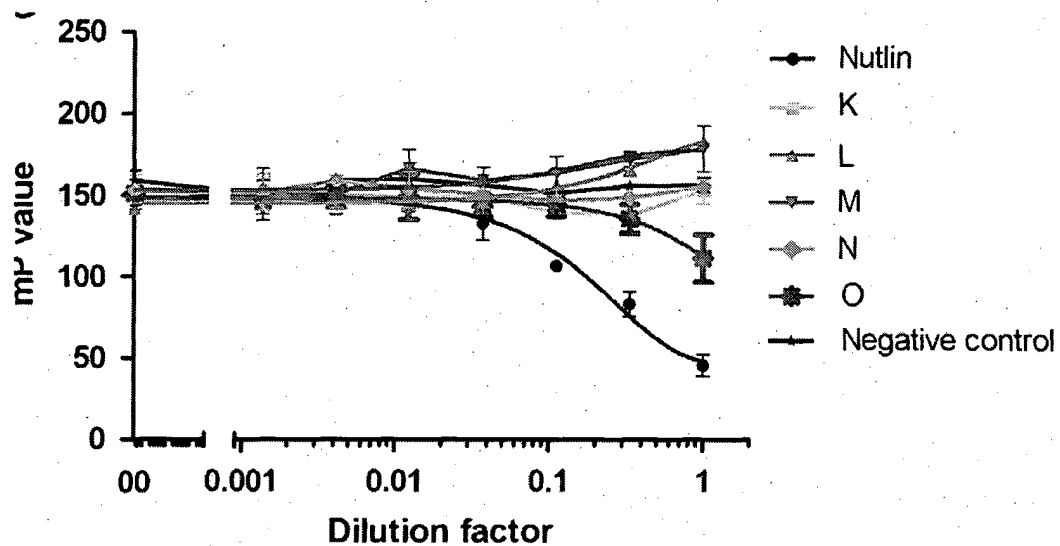
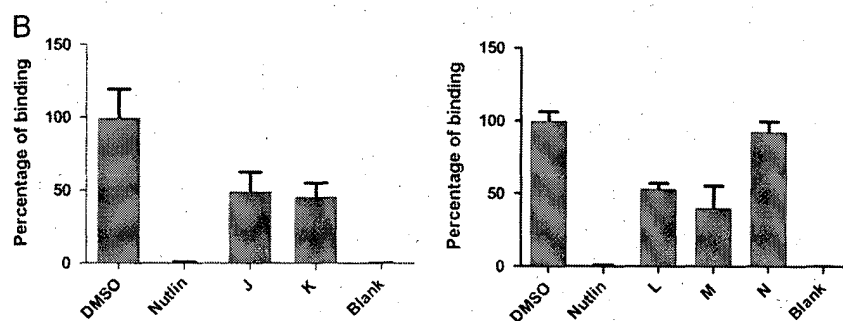


Figure 4E



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Figure 5A

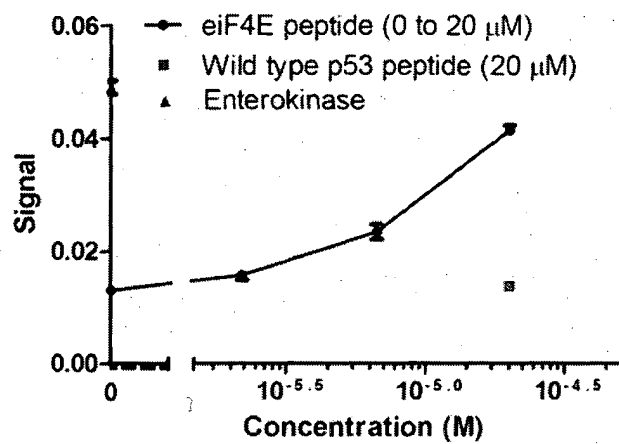
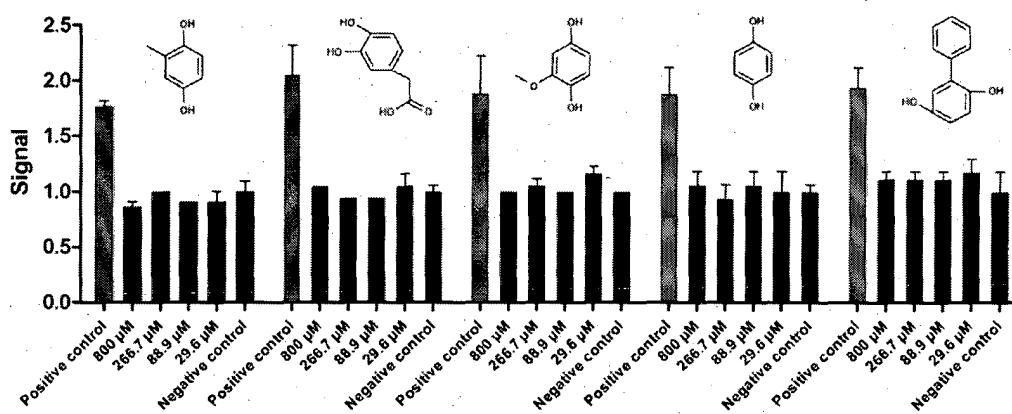


Figure 5B



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Figure 6A

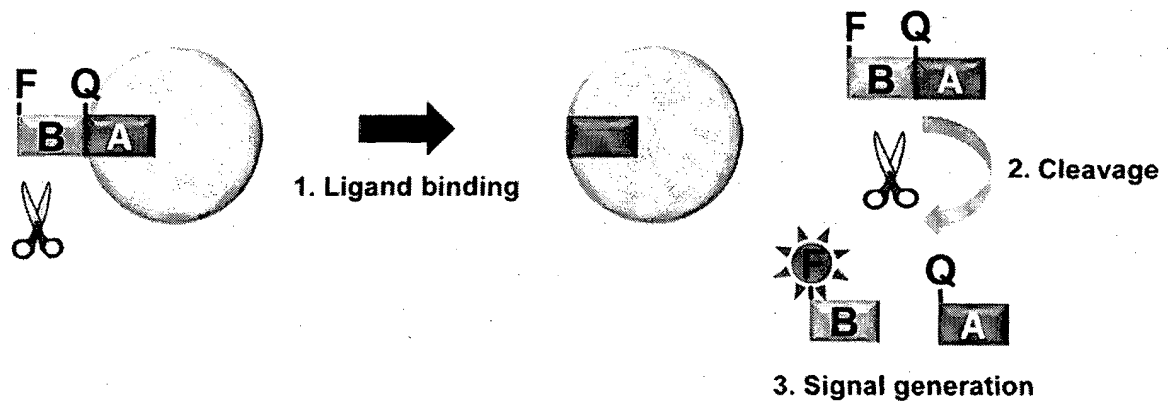


Figure 6B

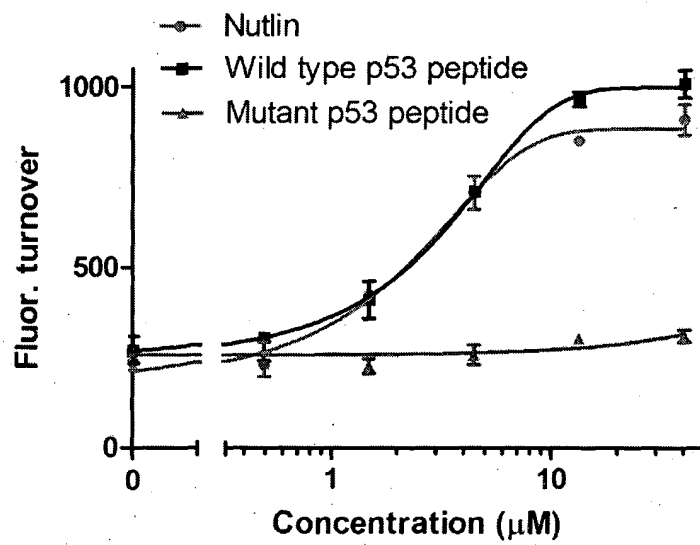
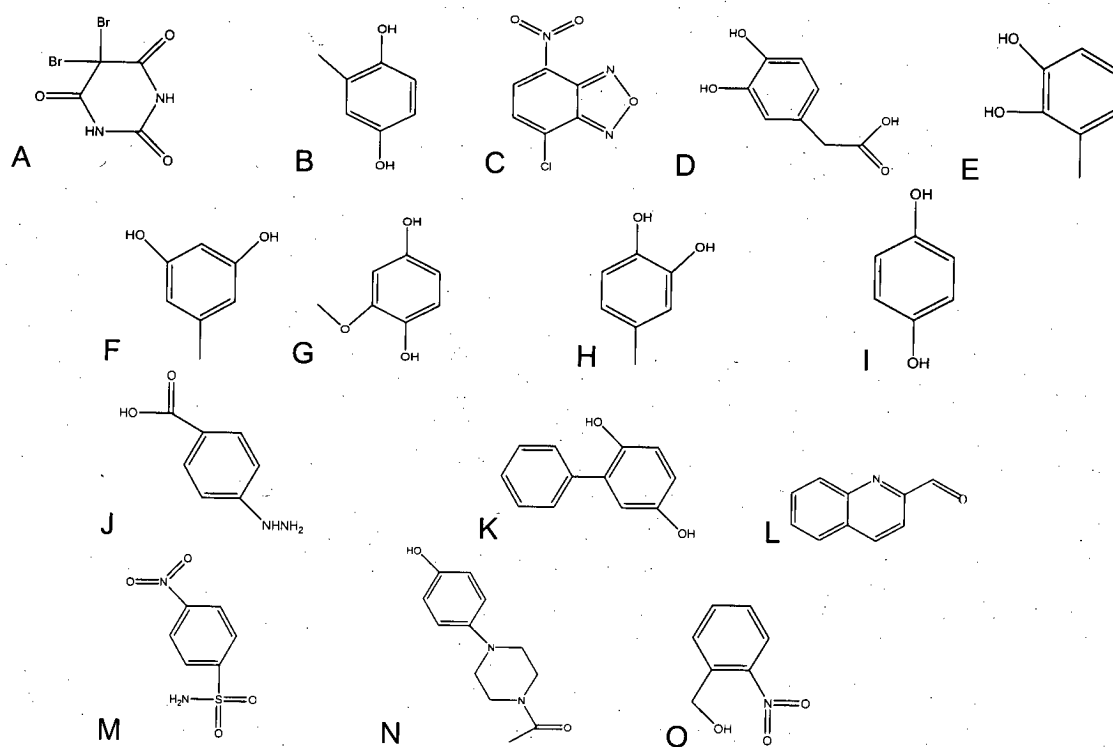
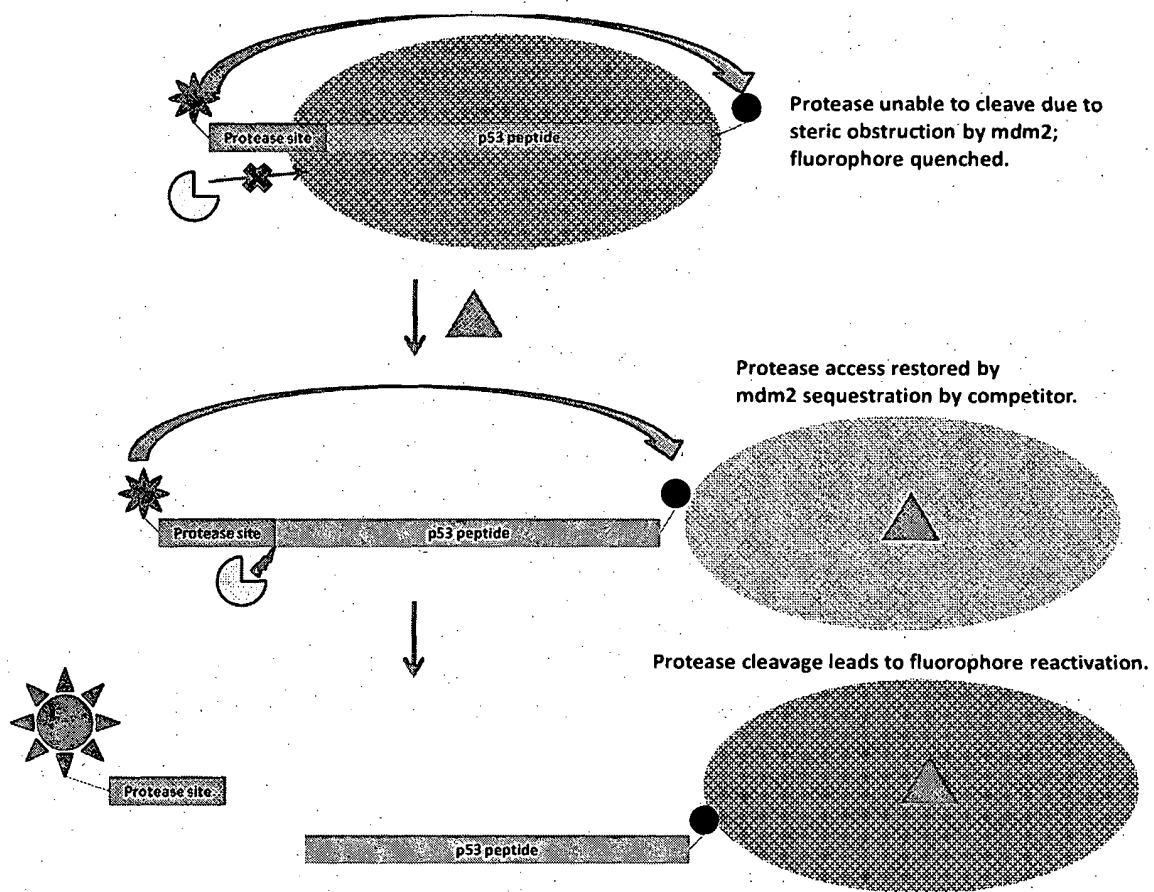


Figure 6C



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Figure 7





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Figure 8C

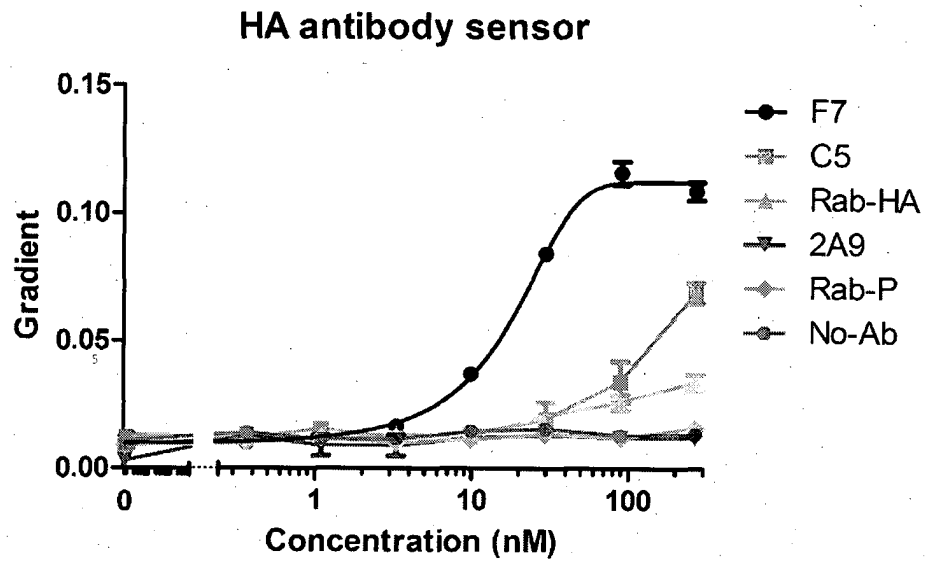
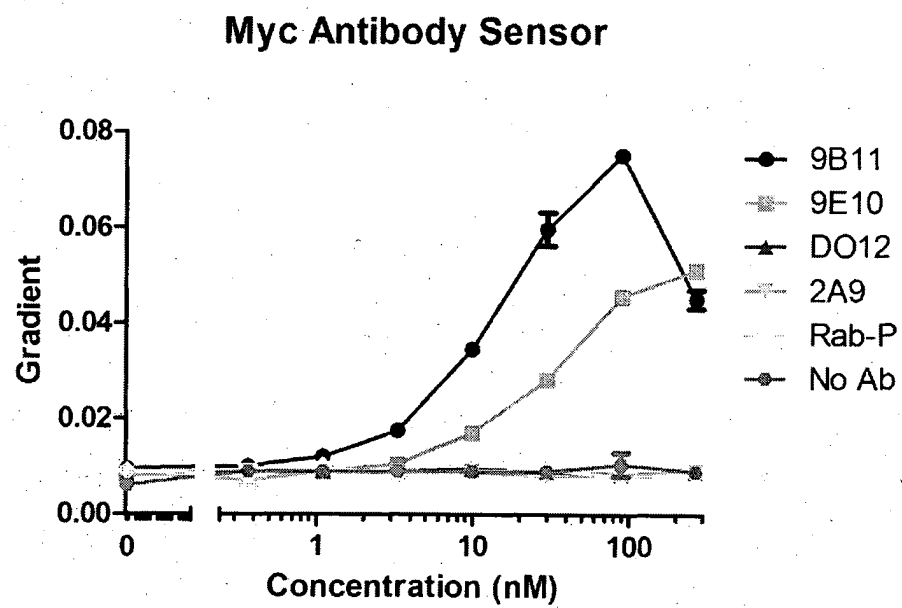


Figure 8D



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Figure 9A

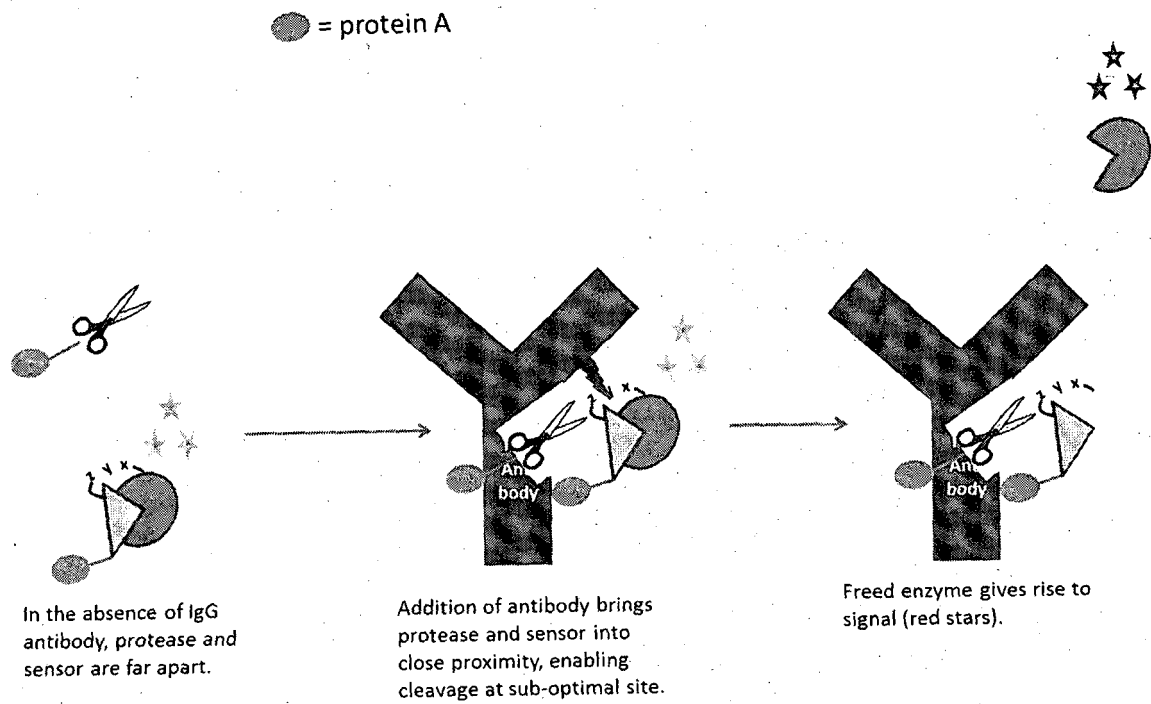
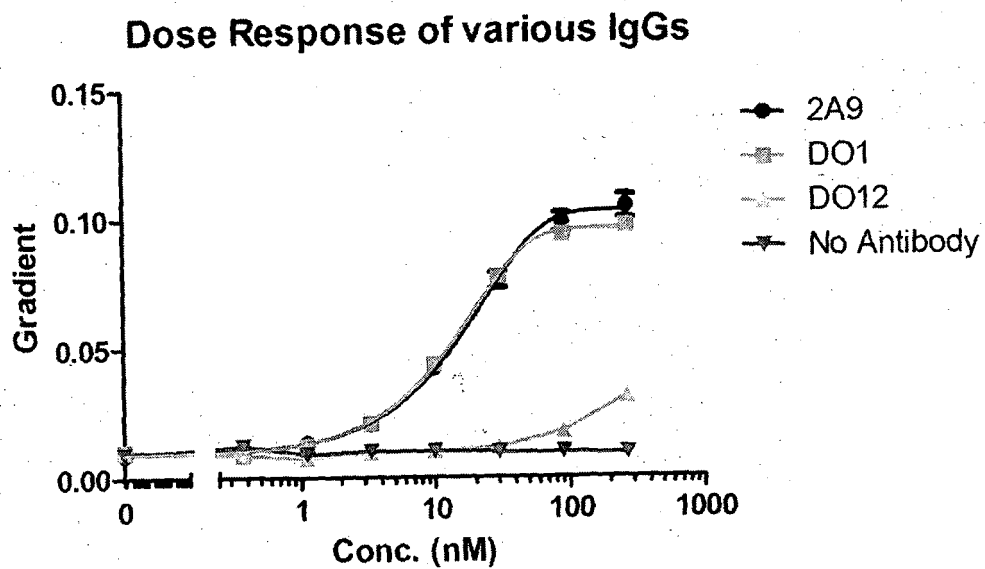


Figure 9B



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Figure 10

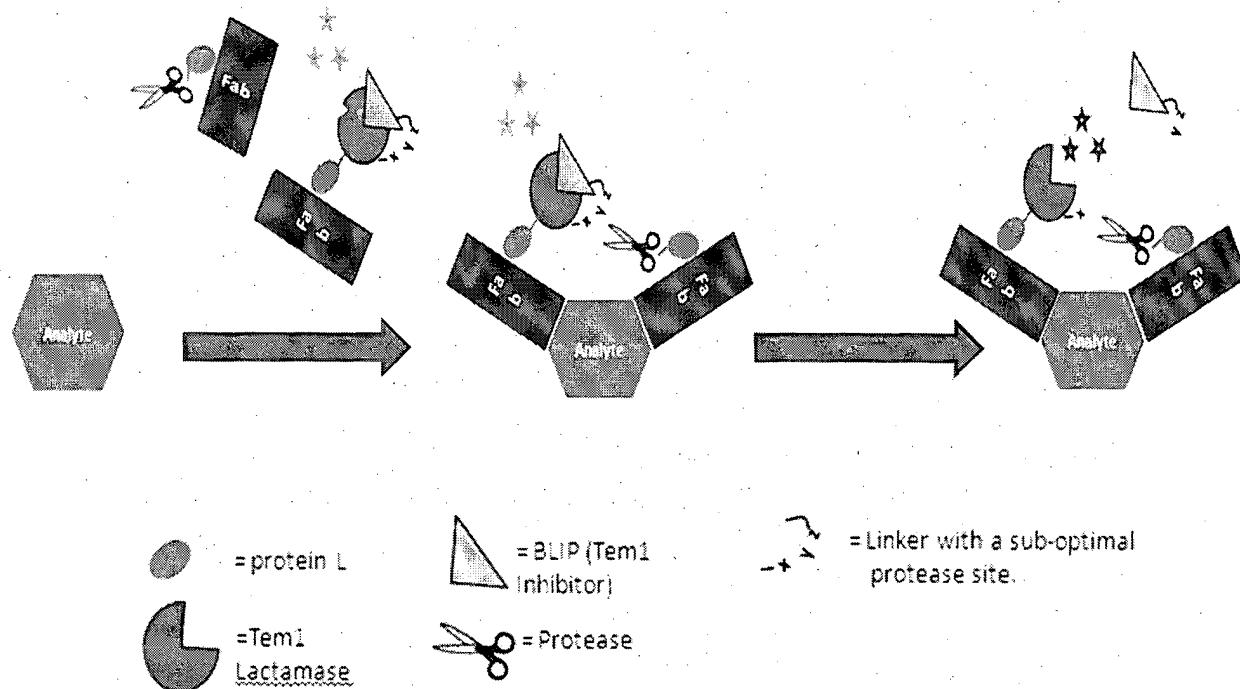
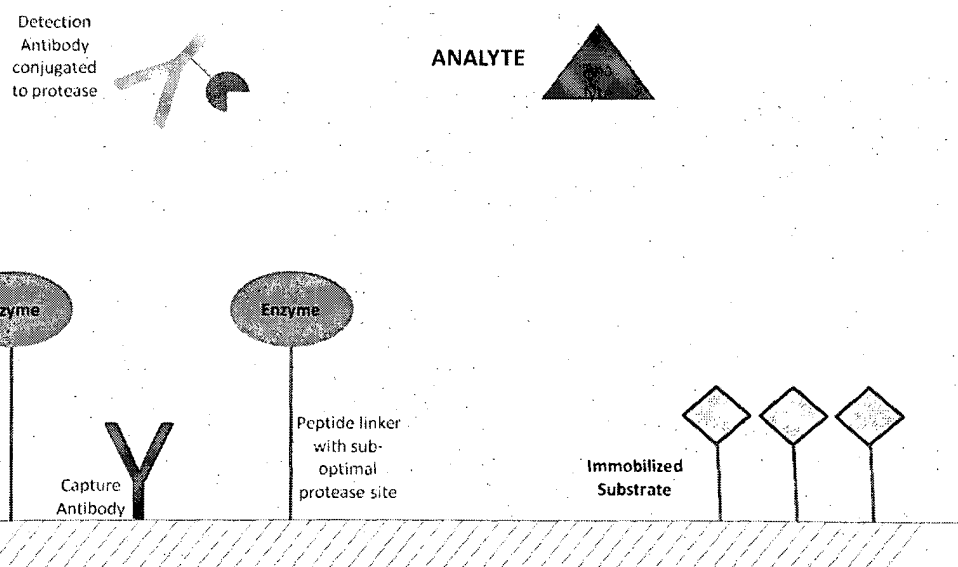


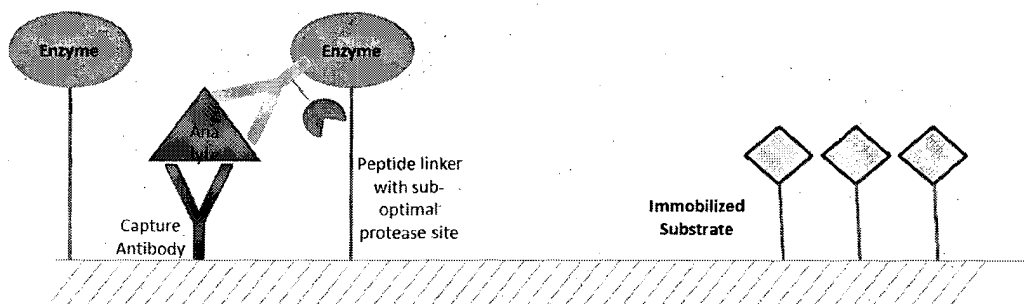
Figure 11

(A)

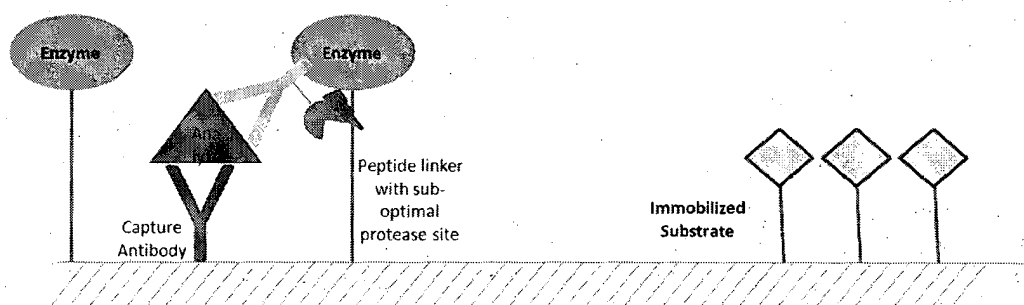


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(B)



(C)



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(D)

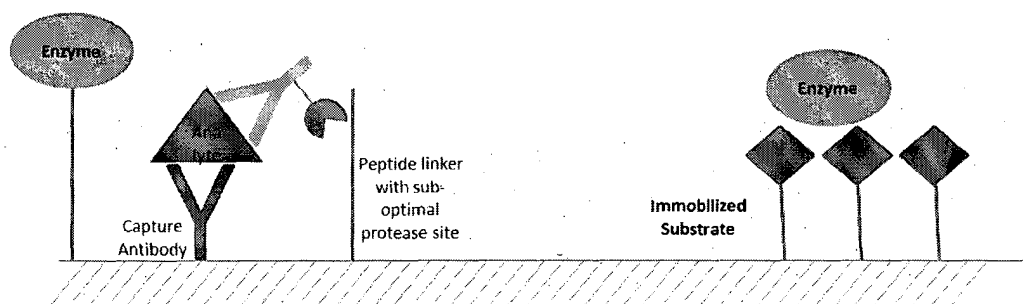


Figure 12

| Sensor Name                          | Peptide linker sequence                                                      |
|--------------------------------------|------------------------------------------------------------------------------|
| HA-enterokinase<br>(SEQ ID NO: 18)   | <u>Tem1</u> ... <u>KHW</u> -GGSGDDDDR-GYPYDVPDYAG-GVMT...BLIP-HA             |
| Mdm2-enterokinase<br>(SEQ ID NO:19)  | <u>Tem1</u> ... <u>KHW</u> -GGSGDDDDR-GGTSAEYWLLSP-GSEEIGLGA-GVMT..BLIP-HA   |
| HA-TEV protease<br>(SEQ ID NO: 20)   | <u>Tem1</u> ... <u>KHW</u> -GGSENYFQSGYPYDVPDYA-AGVMT...BLIP-HA              |
| eiF4E-enterokinase<br>(SEQ ID NO:21) | <u>Tem1</u> ... <u>KHW</u> -GGSGDDDDR-GKKRYSRDQLLAL-GSEEIGLGA-GVMT...BLIP-HA |