

## Human P2Y Purinoceptor 12 (P2RY12) ELISA Kit | P2RY12 elisa kit

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CATALOG #  
**AAA331498**

REACTIVITY  
**Human**

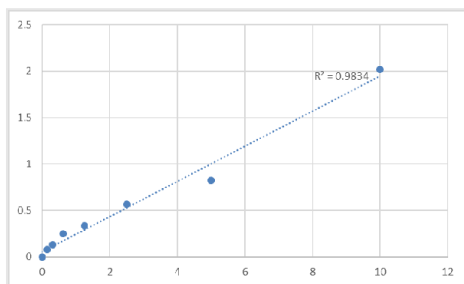
### PRODUCT SYNONYMS

P2Y Purinoceptor 12 (P2RY12); Human P2Y Purinoceptor 12 (P2RY12) ELISA Kit; P2RY12; ADPG-R; HORK3; P2T(AC); P2Y(AC); P2Y(ADP); P2Y(cyc); P2Y12; SP1999; ADP-glucose receptor; G-protein coupled receptor SP1999; Gi-coupled ADP receptor HORK3; platelet ADP receptor; purinergic receptor P2R; P2RY12 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| Reactivity              | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Specificity             | Human P2Y purinoceptor 12 (P2RY12) ELISA Kit has high sensitivity and excellent specificity for detection of Human P2RY12. No significant cross-reactivity or interference between Human P2RY12 and analogues was observed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Sequence Length         | 342                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Assay Type              | Sandwich ELISA (Quantitative)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Samples                 | Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Detection Method        | Colorimetric                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Usage Notes             | <ul style="list-style-type: none"> <li>* Do not mix components from different kit lots or use reagents beyond the kit expiration date.</li> <li>* Allow all reagents to warm to room temperature for at least 30 minutes before opening.</li> <li>* Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination.</li> <li>* Unused wells must be kept desiccated at 4 degree C in the sealed bag provided.</li> <li>* Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes.</li> <li>* It is recommended that all samples and standards be assayed in duplicate or triplicate.</li> </ul> |
| Preparation and Storage | Store at 2-8 degree C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

### IMAGES



Standard Curve (Sample)

Fig.1. Human P2Y purinoceptor 12 (P2RY12) Standard Curve.

ADDITIONAL INFORMATION

|                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
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| Related Product Information for P2RY12 elisa kit | <p>Description: This Human P2Y purinoceptor 12 (P2RY12) ELISA Kit employs a two-site sandwich ELISA to quantitate P2RY12 in samples. An antibody specific for P2RY12 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any P2RY12 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for P2RY12 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of P2RY12 bound in the initial step. The color development is stopped and the intensity of the color is measured.</p> <p>Background: In the field of molecular biology, the P2Y12 protein is found on the surface of blood platelet cells and is an important regulator in blood clotting. P2RY12 belongs to a group of G protein-coupled purinergic receptors and is a chemoreceptor for adenosine diphosphate (ADP). The P2Y family has several receptor subtypes with different pharmacological selectivity, which overlaps in some cases, for various adenosine and uridine nucleotides. This receptor is involved in platelet aggregation, and is a potential target for the treatment of thromboembolisms and other clotting disorders. Two transcript variants encoding the same isoform have been identified for this gene.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                                      |
|----------------------------------|--------------------------------------------------------------------------------------|
| NCBI GI #                        | 12232483                                                                             |
| NCBI GeneID                      | 64805                                                                                |
| NCBI Accession #                 | NP_073625.1                                                                          |
| NCBI GenBank Nucleotide #        | NP_073625.1                                                                          |
| UniProt Accession #              | Q9H244                                                                               |
| NCBI Official Full Name          | P2Y purinoceptor 12                                                                  |
| NCBI Official Synonym Full Names | purinergic receptor P2Y12                                                            |
| NCBI Official Symbol             | P2RY12                                                                               |
| NCBI Official Synonym Symbols    | HORK3; P2Y12; ADPG-R; BDPLT8; SP1999; P2T(AC); P2Y(AC); P2Y(12)R; P2Y(ADP); P2Y(cyc) |
| NCBI Protein Information         | P2Y purinoceptor 12                                                                  |
| UniProt Protein Name             | P2Y purinoceptor 12                                                                  |
| UniProt Gene Name                | P2RY12                                                                               |
| UniProt Synonym Gene Names       | HORK3; P2Y12; ADPG-R; P2Y(ADP)                                                       |
| UniProt Entry Name               | P2Y12_HUMAN                                                                          |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.