

Human P2Y purinoceptor 2 (P2RY2) ELISA Kit | P2RY2 elisa kit

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CATALOG #
AAA246436

REACTIVITY
Human

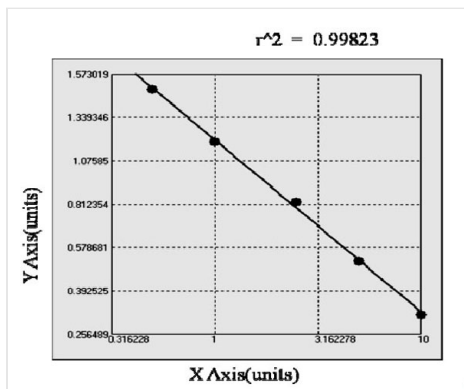
PRODUCT SYNONYMS

P2Y purinoceptor 2 (P2RY2); Human P2Y purinoceptor 2 (P2RY2) ELISA Kit; P2RY2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	100-2500pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This P2RY2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human P2RY2. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for P2RY2 elisa kit

Principle of the assay: P2RY2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-P2RY2 antibody and an P2RY2-HRP conjugate. The assay sample and buffer are incubated together with P2RY2-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the P2RY2 concentration since P2RY2 from samples and P2RY2-HRP conjugate compete for the anti-P2RY2 antibody binding site. Since the number of sites is limited, as more sites are occupied by P2RY2 from the sample, fewer sites are left to bind P2RY2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The P2RY2 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	469832259
NCBI GeneID	5029
NCBI Accession #	NP_788086.2
NCBI GenBank Nucleotide #	NM_176072.2
Molecular Weight	42,273 Da
NCBI Official Full Name	P2Y purinoceptor 2
NCBI Official Synonym Full Names	purinergic receptor P2Y, G-protein coupled, 2
NCBI Official Symbol	P2RY2
NCBI Official Synonym Symbols	P2U; HP2U; P2U1; P2UR; P2Y2; P2RU1; P2Y2R
NCBI Protein Information	P2Y purinoceptor 2; ATP receptor; P2U receptor 1; purinoceptor P2Y2; P2U purinoceptor 1; P2U nucleotide receptor; purinergic receptor P2Y2
UniProt Protein Name	P2Y purinoceptor 2
UniProt Gene Name	P2RY2
UniProt Synonym Gene Names	P2RU1; P2Y2; P2U1
UniProt Entry Name	P2RY2_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.