

Human P2Y Purinoceptor 1 (P2RY1) ELISA Kit | P2RY1 elisa kit

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CATALOG #
AAA331499

REACTIVITY
Human

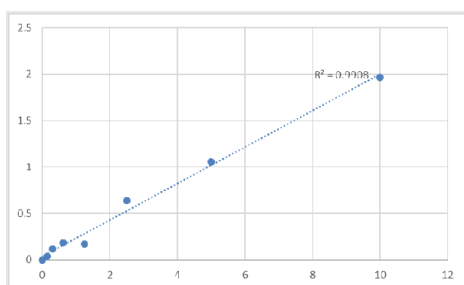
PRODUCT SYNONYMS

P2Y Purinoceptor 1 (P2RY1); Human P2Y Purinoceptor 1 (P2RY1) ELISA Kit; P2RY1; P2Y1; ATP receptor; P2 purinoceptor subtype Y1; P2Y purinoceptor 1; platelet ADP receptor; purinergic receptor P2Y1; P2RY1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human P2Y purinoceptor 1 (P2RY1) ELISA Kit has high sensitivity and excellent specificity for detection of Human P2RY1. No significant cross-reactivity or interference between Human P2RY1 and analogues was observed.
Sequence Length	373
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human P2Y purinoceptor 1 (P2RY1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for P2RY1 elisa kit	Description: This Human P2Y purinoceptor 1 (P2RY1) ELISA Kit employs a two-site sandwich ELISA to quantitate P2RY1 in samples. An antibody specific for P2RY1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any P2RY1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for P2RY1 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 P2RY1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: P2RY1 belongs to the family of G-protein coupled receptors. This family has several receptor subtypes with different pharmacological selectivity, which overlaps in some cases, for various adenosine and uridine nucleotides. This receptor functions as a receptor for extracellular ATP and ADP. In platelets binding to ADP leads to mobilization of intracellular calcium ions via activation of phospholipase C, a change in platelet shape, and probably to platelet aggregation. The pharmacologic properties of the P2Y1 receptor are similar to those of the P2T ADP receptor that is responsible for platelet aggregation. They showed that the P2Y1 receptor is expressed by human platelets and megakaryoblasts. The authors suggested that the P2Y1 receptor may be the P2T receptor.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4505557
NCBI GeneID	5028
NCBI Accession #	NP_002554.1
NCBI GenBank Nucleotide #	NP_002554.1
UniProt Accession #	P47900
NCBI Official Full Name	P2Y purinoceptor 1
NCBI Official Synonym Full Names	purinergic receptor P2Y1
NCBI Official Symbol	P2RY1
NCBI Official Synonym Symbols	P2Y1; SARCC
NCBI Protein Information	P2Y purinoceptor 1
UniProt Protein Name	P2Y purinoceptor 1
UniProt Gene Name	P2RY1
UniProt Synonym Gene Names	P2Y1
UniProt Entry Name	P2RY1_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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/p2y-purinoceptor-1-p2ry1/331499>