Human Purinergic Receptor P2Y, G Protein Coupled 14 (P2RY14) ELISA Kit | P2RY14 elisa kit

Human Purinergic Receptor P2Y, G Protein Coupled 14 (P2RY14) ELISA Kit

CATALOG #	REACTIVITY
AAA138286	**Human**

PRODUCT SYNONYMS

Purinergic Receptor P2Y; G Protein Coupled 14 (P2RY14); Human Purinergic Receptor P2Y; G Protein Coupled 14 (P2RY14) ELISA Kit; GPR105; P2Y14; P2Y Purinoceptor 14; G Protein-Coupled Receptor 105; UDP-glucose receptor; P2RY14 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Purinergic Receptor P2Y, G Protein Coupled 14 (P2RY14). No significant cross-reactivity or interference between Purinergic Receptor P2Y, G Protein Coupled 14 (P2RY14) and analogues was observed.
Sequence Length	338
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.053ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Purinergic Receptor P2Y, G Protein Coupled 14 (P2RY14) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Purinergic Receptor P2Y, G Protein Coupled 14 (P2RY14) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for P2RY14 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Purinergic Receptor P2Y, G Protein Coupled 14 (P2RY14). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Purinergic Receptor P2Y, G Protein Coupled 14 (P2RY14). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Purinergic Receptor P2Y, G Protein Coupled 14 (P2RY14), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Purinergic Receptor P2Y, G Protein Coupled 14 (P2RY14) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for P2RY14 elisa kit	CD & Adhesion molecule

NCBI AND UNIPROT INFORMATION

NCBI GI #	125625352
NCBI GeneID	9934
NCBI Accession #	NP_055694.3
NCBI GenBank Nucleotide #	NM_014879.3
UniProt Accession #	Q15391; Q8IYT7
Molecular Weight	38,971 Da
NCBI Official Full Name	P2Y purinoceptor 14
NCBI Official Synonym Full Names	purinergic receptor P2Y, G-protein coupled, 14
NCBI Official Symbol	P2RY14
NCBI Official Synonym Symbols	P2Y14; BPR105; GPR105
NCBI Protein Information	P2Y purinoceptor 14
UniProt Protein Name	P2Y purinoceptor 14
UniProt Gene Name	**P2RY14**
UniProt Synonym Gene Names	GPR105; KIAA0001; P2Y14
UniProt Entry Name	P2Y14_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/purinergic-receptor-p2y-g-protein-coupled-14-p2ry14/138286