

Human purinergic receptor P2X, ligand-gated ion channel, 7 ELISA Kit | P2RX7 elisa kit

Human P2X purinoceptor 7, P2RX7 ELISA Kit

CATALOG #
AAA113038

REACTIVITY
Human

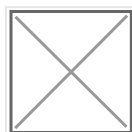
PRODUCT SYNONYMS

purinergic receptor P2X; ligand-gated ion channel; 7; Human P2X purinoceptor 7; P2RX7 ELISA Kit; Human P2X purinoceptor 7 (P2RX7) ELISA kit; MGC20089; P2X7; ATP receptor; P2X purinoceptor 7; P2X7 receptor; P2Z receptor; purinergic receptor P2X7; P2RX7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human P2RX7. No significant cross-reactivity or interference between human P2RX7 and analogues was observed.
Sequence Length	595
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, tissue homogenates, cell lysates
Detection Range	25 pg/ml-1600 pg/ml
Sensitivity	< 6.25 pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for P2RX7 elisa kit

Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for P2RX7 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any P2RX7 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for P2RX7 is added to the wells. After washing, avidin 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 P2RX7 bound in the initial step. The color development is stopped and the intensity of the color is measured.

NCBI AND UNIPROT INFORMATION

NCBI GI #	300068987
NCBI GeneID	5027
NCBI Accession #	NP_002553.3
NCBI GenBank Nucleotide #	NM_002562.5
UniProt Accession #	Q99572; O14991; Q4VKH8; Q4VKH9; Q4VKI0; Q4VKI1; Q4VKI2; A8K2Z0; E7EMK6; F5H6P2; F5H7E8; F8W951
Molecular Weight	68,585 Da
NCBI Official Full Name	P2X purinoceptor 7
NCBI Official Synonym Full Names	purinergic receptor P2X, ligand-gated ion channel, 7
NCBI Official Symbol	P2RX7
NCBI Official Synonym Symbols	P2X7
NCBI Protein Information	P2X purinoceptor 7; ATP receptor; P2Z receptor; P2X7 receptor; purinergic receptor P2X7 variant A
UniProt Protein Name	P2X purinoceptor 7
UniProt Gene Name	P2RX7
UniProt Synonym Gene Names	P2X7
UniProt Entry Name	P2RX7_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/p2rx7-human-elisa-kits/purinergic-receptor-p2x-ligand-gated-ion-channel-7/113038>