

Rat P2X7 Monoclonal Antibody | anti-P2X7 antibody

RAT ANTI MOUSE P2X7

CATALOG # AAA49777	HOST Rat	APPLICATIONS Immunofluorescence, Flow Cytometry, Functional Assay
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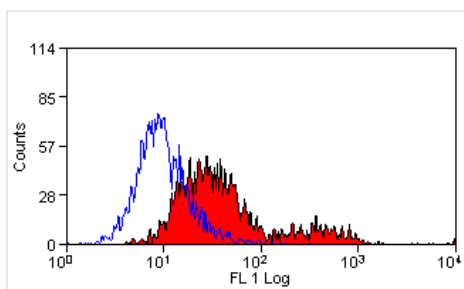
PRODUCT SYNONYMS

P2X7; Monoclonal Antibody; RAT ANTI MOUSE P2X7; anti-P2X7 antibody

PRODUCT SPECIFICATIONS

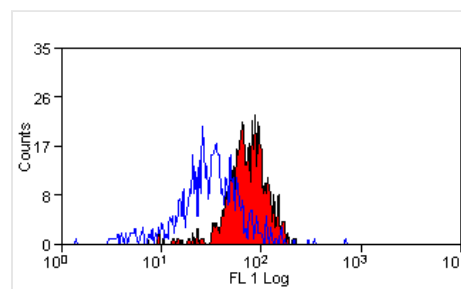
Host	Rat
Clonality	Monoclonal
Isotype	IgG2b
Clone Number	Hano43
Form/Format	Purified Purified IgG - liquid
Concentration	IgG concentration 1.0mg/ml (varies by lot)
Sequence Length	595
Applicable Applications for anti-P2X7 antibody	IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Perservative Stabilisers	0.09% Sodium Azide (NaN ₃) Preparation
Immunogen	A P2X7-expression construct and a final boost with P2X7-transfected HEK cells. Fusion Partners
Target Species	Mouse
Preparation and Storage	Store at 4 degree C or at -20 degree C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 18 months from date of despatch.

IMAGES



Application Data

Rat peritoneal macrophages stained with Rat anti Mouse P2X7:Alexa Fluor 488



Application Data

Rat peritoneal macrophages stained with Rat anti Mouse P2X7 (AAA49777)

ADDITIONAL INFORMATION

Related Product Information for anti-P2X7 antibody	Rat anti Mouse P2X7 antibody, clone Hano43 recognizes the P2X purinoceptor 7, also known as P2X7. The P2X7 ATP receptor has a distinctive long C-terminal tail with multiple potential protein and lipid interaction motifs and is highly polymorphic. It is a cation selective ion channel that opens up on binding of extracellular ATP. Sustained activation by extracellular ATP results in the formation of a reversible pore in the plasma membrane that is permeable to hydrophilic solutes of up to 900 Da. Once a pore is opened massive upset of cytoplasmic ion homeostasis occurs and the pore stays open as long as it is bound by ATP. Should ATP stimulation continue the cell will become irreversibly damaged and die. P2X7 plays a key role in the maturation and release of IL-1 and other IL-1 family members during inflammation. As such, P2X7 blockers might be useful as anti-inflammatory agents.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	84781766
NCBI GeneID	18439
NCBI Accession #	NP_035157.2
NCBI GenBank Nucleotide #	NM_011027.3
UniProt Accession #	Q9Z1M0
Molecular Weight	68,388 Da
NCBI Official Full Name	P2X purinoceptor 7 isoform a
NCBI Official Synonym Full Names	purinergic receptor P2X, ligand-gated ion channel, 7
NCBI Official Symbol	P2rx7
NCBI Official Synonym Symbols	P2X7R; P2X(7); A1467586
NCBI Protein Information	P2X purinoceptor 7; ATP receptor; P2X7 purinoceptor; P2X7 receptor; P2Z receptor
UniProt Protein Name	P2X purinoceptor 7
UniProt Gene Name	P2rx7
UniProt Synonym Gene Names	P2x7; P2X7
UniProt Entry Name	P2RX7_MOUSE

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://www.aaabiotech.com/monoclonal/p2x7-antibody-clone-hano43-immunofluorescence-flow-cytometry-elisa/49777>