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Product Information

Recombinant Anti-Human p2rx7 Antibody

Cat. No.: **MOM-18457**
This product is for research use only and is not intended for diagnostic use.

Product Overview

Recombinant Mouse Antibody is specific to Human P2RX7, expressed in Chinese Hamster Ovary cells(CHO)

Antigen Description

The product P2RX7 belongs to the family of purinoceptors for ATP. This receptor functions as a ligand-gated ion channel and is responsible for ATP-dependent lysis of macrophages through the formation of membrane pores permeable to large molecules. Activation of this nuclear receptor by ATP in the cytoplasm may be a mechanism by which cellular activity can be coupled to changes in gene expression.

Specific Activity

Tested positive against native antigen.

Target

P2RX7

Source

Mouse

Species Reactivity

Human

Type

IgG

Expression Host

CHO

Purity

>95.0%. Determined by analysis by RP-HPLC & analysis by SDS-PAGE.

Applications

Suitable for use in Neut, FuncS, ELISA, FC and most other immunological methods.

Storage

Store at -20°C for long-term storage. Store at 2-8°C for up to one month. Avoid freeze/thaw cycles.

ANTIGEN GENE INFOMATION

Gene Name

P2RX7 purinergic receptor P2X, ligand-gated ion channel, 7 [Homo sapiens]

Official Symbol

P2RX7

Synonyms

P2RX7; purinergic receptor P2X, ligand-gated ion channel, 7; P2X purinoceptor 7; MGC20089; P2X7; ATP receptor; P2Z receptor; P2X7 receptor; purinergic receptor P2X7 variant A

Gene ID

5027

mRNA Refseq

NM_002562

Protein Refseq

NP_002553

MIM

602566

UniProt ID

Q99572

Chromosome Location

12q24

Pathway

Calcium signaling pathway, organism-specific biosystem; Calcium signaling pathway, conserved biosystem; Immune System, organism-specific biosystem; Inflammasomes, organism-specific biosystem; Innate Immune System, organism-specific biosystem; Neuroactive ligand-receptor interaction, organism-specific biosystem; Neuroactive ligand-receptor interaction, conserved biosystem;

Function

ATP binding; ATP binding; extracellular ATP-gated cation channel activity; ion channel activity; lipopolysaccharide binding; protein homodimerization activity; purinergic nucleotide receptor activity; receptor activity; receptor binding;

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