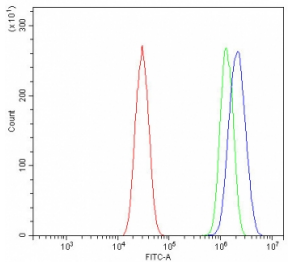
P2y12 Antibody / P2Y purinoceptor 12 (RQ7987)

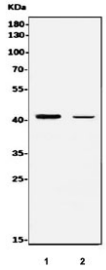
Catalog No.	Formulation	Size
RQ7987	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9CPV9
Applications	Western blot: 0.5-1ug/ml Flow cytometry: 1-3ug/million cells
Limitations	This P2y12 antibody is available for research use only.



Flow cytometry testing of mouse HEPA1-6 cells with P2y12 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= P2y12 antibody.



Western blot testing of 1) rat brain and 2) mouse brain tissue lysate with P2y12 antibody. Predicted molecular weight ~40 kDa.

Description

P2Y12 is a chemoreceptor for adenosine diphosphate (ADP) that belongs to the Gi class of a group of G protein-coupled (GPCR) purinergic receptors. The product of this gene 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 is involved in platelet aggregation, and is a potential target for the treatment of thromboembolisms and other clotting disorders. Mutations in this gene are implicated in bleeding disorder, platelet type 8 (BDPLT8). Alternative splicing results in multiple transcript variants of this gene.

Application Notes

Optimal dilution of the P2y12 antibody should be determined by the researcher.

Immunogen

Amio acids NRRPKDKDVTKCSFL were used as the immunogen for the P2y12 antibody.

Storage

After reconstitution, the P2y12 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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