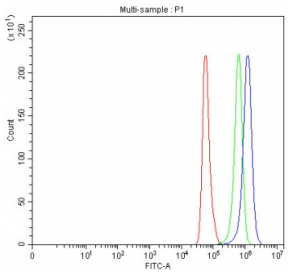
ICAM5 Antibody / Intercellular adhesion molecule 5 (RQ8634)

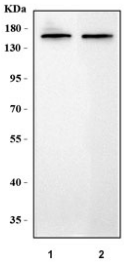
Catalog No.	Formulation	Size
RQ8634	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 days
Species Reactivity	Human, 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	Q9UMF0
Applications	Western blot: 0.5-1ug/ml Flow cytometry: 1-3ug/million cells ELISA: 0.1-0.5ug/ml
Limitations	This ICAM5 antibody is available for research use only.



Flow cytometry testing of fixed and permeabilized human HeLa cells with ICAM5 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= ICAM5 antibody.



Western blot testing of 1) rat brain and 2) mouse brain tissue lysate with ICAM5 antibody. Predicted molecular weight ~97 kDa but may be observed at higher molecular weights due to glycosylation.

Description

Intercellular adhesion molecule 5 is a protein that in humans is encoded by the ICAM5 gene. The protein encoded by this gene is a member of the intercellular adhesion molecule (ICAM) family. All ICAM proteins are type I transmembrane glycoproteins, contain 2-9 immunoglobulin-like C2-type domains, and bind to the leukocyte adhesion LFA-1 protein. This protein is expressed on the surface of telencephalic neurons and displays two types of adhesion activity, homophilic binding between neurons and heterophilic binding between neurons and leukocytes. It may be a critical component in neuron-microglial cell interactions in the course of normal development or as part of neurodegenerative diseases.

Application Notes

Optimal dilution of the ICAM5 antibody should be determined by the researcher.

Immunogen

An E.coli-derived human recombinant protein (amino acids R430-G682) was used as the immunogen for the ICAM5 antibody.

Storage

After reconstitution, the ICAM5 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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