



CD89 Monoclonal Antibody

Catalog No	YP-mAb-14046
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	FCAR
Immunogen	The antiserum was produced against synthesized peptide derived from the Internal region of human FCAR. AA range:31-80
Specificity	CD89 Monoclonal Antibody detects endogenous levels of CD89 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	IgA Fc receptor;FCAR;CD89;Immunoglobulin alpha Fc receptor
Observed Band	32kD
Calculated Molecular Weight	32kD
Cell Pathway	[Isoform A.1]: Cell membrane; Single-pass type I membrane protein.; [Isoform A.2]: Cell membrane; Single-pass type I membrane protein.; [Isoform A.3]: Cell membrane; Single-pass type I membrane protein.; [Isoform B]: Secreted.; [Isoform B-delta-S2]: Secreted.
Tissue Specificity	Isoform A.1, isoform A.2 and isoform A.3 are differentially expressed between blood and mucosal myeloid cells. Isoform A.1, isoform A.2 and isoform A.3 are expressed in monocytes. Isoform A.1 and isoform A.2 are expressed in alveolar macrophages; however only one isoform is expressed at alveolar macrophages surfaces.
Function	alternative products:Additional isoforms seem to exist,function:Binds to the Fc region of immunoglobulins alpha. Mediates several functions including cytokine production.,similarity:Contains 2 Ig-like C2-type (immunoglobulin-like) domains., subunit:Associates with the Fc epsilon RI gamma 2 receptor inducing tyrosine phosphorylation of gamma 2.,tissue specificity:Differentially expressed between



blood and mucosal myeloid cells. Monocytes express isoform A.1, isoform A.2 and isoform A.3 while alveolar macrophages express isoform A.1 and isoform A.2; however they express only one isoform at their surfaces.,

Background

This gene is a member of the immunoglobulin gene superfamily and encodes a receptor for the Fc region of IgA. The receptor is a transmembrane glycoprotein present on the surface of myeloid lineage cells such as neutrophils, monocytes, macrophages, and eosinophils, where it mediates immunologic responses to pathogens. It interacts with IgA-opsonized targets and triggers several immunologic defense processes, including phagocytosis, antibody-dependent cell-mediated cytotoxicity, and stimulation of the release of inflammatory mediators. Multiple alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Jul 2008],

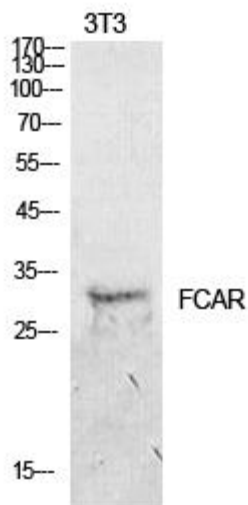
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using CD89 Monoclonal Antibody