



CD89 Rabbit mAb

Catalog No	YP-rAb-17659
Isotype	IgG
Reactivity	Human
Applications	WB,IHC,IF,ICC,FC,IP
Gene Name	FCAR;CD89
Protein Name	Immunoglobulin alpha Fc receptor;IgA Fc receptor;CD antigen CD89;
Purification Process	Protein A
Specificity	Endogenous
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Dilution	WB 1:1000-5000; IHC 1:100-300; ICC/IF 1:100-300; FC 1:100-300; IP 1:50-100 Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	-15 ° C to -25 ° C/1 year(Do not lower than -25 ° C)
Synonyms	CD89;Immunoglobulin alpha Fc receptor;IgA Fc receptor;CD antigen CD89;FCAR ; CD89 ; Immunoglobulin alpha Fc receptor ; IgA Fc receptor ; CD antigen CD89 ;FCAR
Observed Band	32kD
Calculated Molecular Weight	
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. {ECO:0000269 PubMed:8666819, ECO:0000269 PubMed:8836118}.
Function	Binds to the Fc region of immunoglobulins alpha. Mediates several functions including cytokine production. {ECO:0000269 PubMed:12768205}.
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



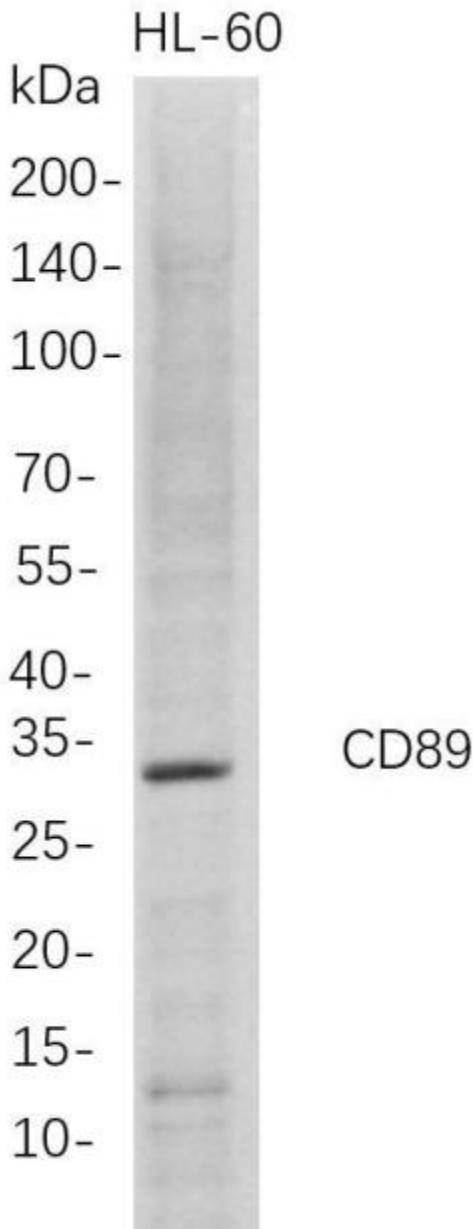
pathogens. It interacts with IgA-opsonized targets and triggers several immunologic defense processes, including phagocytosis, antibody-dependent cell-mediated cytotoxicity, and stimulation of the release of inflammatory mediators. Multiple alternatively spliced transcript variants encoding different 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.



Western Blot analysis of HL-60 whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-CD89 rabbit mAb. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody.

