



# CD89 Rabbit mAb

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





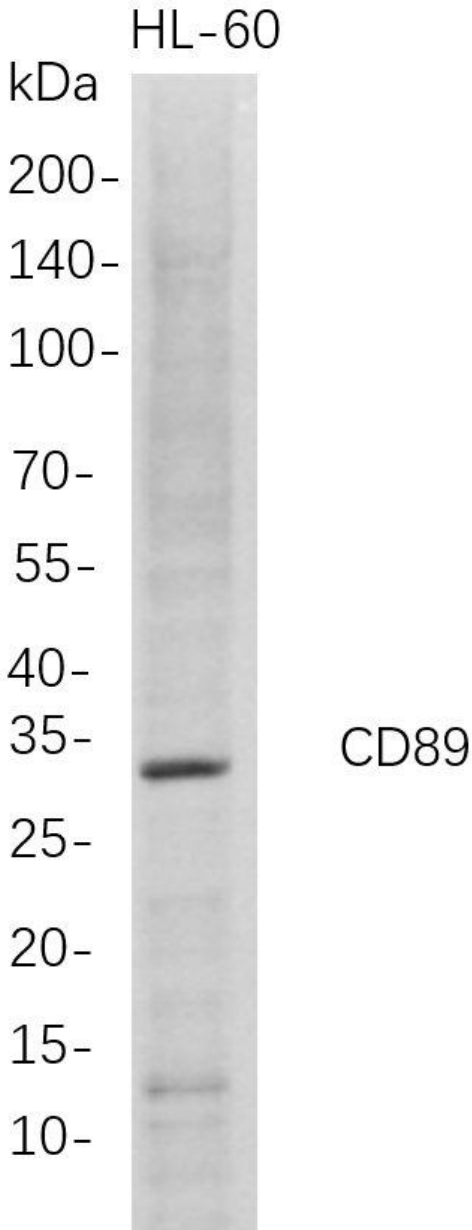
pathogens. It interacts with IgA-opsonized targets and triggers several immunologic defense processes, including phagocytosis, antibody-dependent cell-mediated cytotoxicity, and stimulation of the release of inflammatory mediators. Multiple alternatively spliced transcript variants encoding different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

