

CD89 Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA4168
Host	Mouse
Isotype	Mouse IgG1
Size	100µL, 50µL
Immunogen	Purified recombinant fragment of human CD89 (AA: extra 22-227) expressed in E. Coli.
Mol wt	32.3kDa
Species reactivity	Human
Clonality	Monoclonal
Recommended application	FCM
Concentration	N/A
Full name	N/A
Synonyms	FCAR;FcalphaRI;CTB-61M7.2

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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.

Recommended Dilution

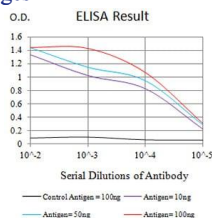
WB: 1:500 - 1:2000

FCM: 1:200 - 1:400

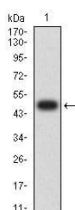
ELISA: 1:10000

Not yet tested in other applications.

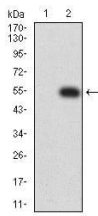
Images



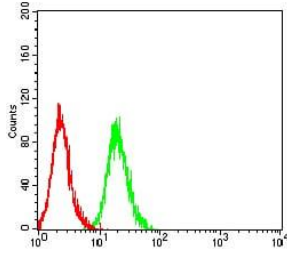
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



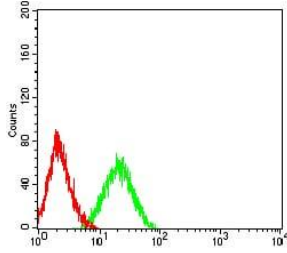
Western blot analysis using CD89 mAb against human CD89 (AA: extra 22-227) recombinant protein. (Expected MW is 49.4 kDa)



Western blot analysis using CD89 mAb against HEK293 (1) and CD89 (AA: extra 22-227)-hIgGFc transfected HEK293 (2) cell lysate.



Flow cytometric analysis of HeLa cells using CD89 mouse mAb (green) and negative control (red).



Flow cytometric analysis of HL-60 cells using CD89 mouse mAb (green) and negative control (red).

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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