

For Research Use Only

CD89 Recombinant antibody

Catalog Number: 84384-5-RR



Basic Information

Catalog Number:

84384-5-RR

Size:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC027953

GeneID (NCBI):

2204

UNIPROT ID:

P24071

Full Name:

Fc fragment of IgA, receptor for

Calculated MW:

287 aa, 32 kDa

Observed MW:

65-70 kDa

Purification Method:

Protein A purification

CloneNo.:

241426H1

Recommended Dilutions:

WB 1:1000-1:8000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : A549 cells, HL-60 cells, K-562 cells, U-937 cells, Jurkat cells

Background Information

Fc α RI (CD89) is a member of the Fc receptor immunoglobulin superfamily, constitutively expressed on cells of the myeloid lineage like neutrophils, eosinophils, monocytes macrophages, and platelets (PMID: 28103138). CD89 expression and activation are increased in human blood phagocytes following bacterial infection, together with increased expression and association of FcR γ with CD89 (PMID: 34756952). CD89 binds both subclasses of IgA (IgA1 and IgA2) with moderate affinity, but also binds other molecules such as Tfr1, C-reactive protein and bacterial ligands. CD89 represents an effective target molecule for immunotherapy mediated by bispecific antibodies (PMID: 37081893).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

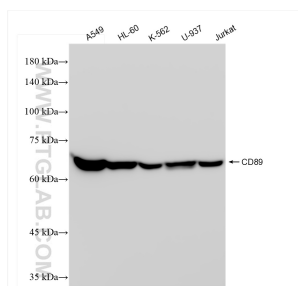
T: 4006900926

E: Proteintech-CN@ptglab.com

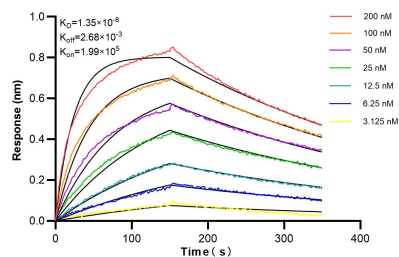
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84384-5-RR (CD89 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 84384-5-RR against Human CD89 were performed. The affinity constant is 13.5 nM.