

For Research Use Only

CD89 Recombinant antibody, PBS Only

Catalog Number: 84384-5-PBS



Basic Information

Catalog Number:

84384-5-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

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

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human

Background Information

FcαRI (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 FcγR 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 -80°C.

Storage Buffer:

PBS Only

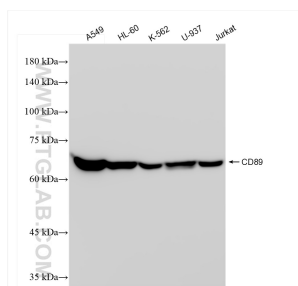
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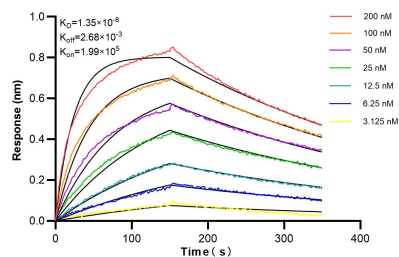
E: proteintech@ptglab.com
W: ptglab.com

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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. This data was developed using the same antibody clone with 84384-5-PBS in a different storage buffer formulation.



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