

Mouse anti-Human CD180 Monoclonal Antibody | anti-CD180 antibody

Anti-Hu CD180 Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA128540	Mouse	Human	Immunoprecipitation, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

CD180; Monoclonal Antibody; Anti-Hu CD180 Purified; CD180 molecule; LY64; Ly78; RP105; Bgp95; anti-CD180 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1 kappa
Clone Number	G28-8
Specificity	The mouse monoclonal antibody G28-8 recognizes an extracellular epitope of CD180, a 95-105 kDa TLR-like glycoprotein expressed on peripheral blood monocytes and dendritic cells, mantle zone B cells and marginal zone B cells, but very weakly on germinal center B cells.
Purity/Purification	Purified by Protein-A Affinity Chromatography
Form/Format	Phosphate buffered saline (PBS) solution with 15 mM sodium azide
Concentration	1 mg/ml (varies by lot)
Sequence Length	661
Applicable Applications for anti-CD180 antibody	IP (Immunoprecipitation), FCM/FACS (Flow Cytometry)
Immunogen	Human tonsillar B cells
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for anti-CD180 antibody	CD180, also known as RP105 (or Bgp95, LY64) is a type I membrane glycoprotein of Toll-like receptor (TLR) family. Its cytoplasmic tail is short and unlike the TLRs, it lacks the TIR domain. CD180 expression is dependent on the coexpression of its helper molecule, MD-1, and mirrors that of TLR4 on antigen-presenting cells. CD180 regulates recognition of LPS and signaling in B cells, via interacting directly with the TLR4 signaling complex, inhibiting its ability to bind microbial ligands. Ligation of CD180 by monoclonal antibodies leads to B cell activation, upregulation of CD80/CD86, and increase in cell size.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1843411
NCBI GeneID	4064
UniProt Accession #	Q99467
NCBI Official Full Name	RP105

NCBI Official Synonym Full Names	CD180 molecule
NCBI Official Symbol	CD180
NCBI Official Synonym Symbols	LY64; Ly78; RP105
NCBI Protein Information	CD180 antigen
UniProt Protein Name	CD180 antigen
UniProt Gene Name	CD180
UniProt Synonym Gene Names	LY64; RP105
UniProt Entry Name	CD180_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd180-antibody-clone-g28-8-immunoprecipitation-flow-cytometry-elisa/128540>