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30-1640: Anti-CD180 Monoclonal Antibody (Clone:G28-8)-Low Endotoxin

Clonality :	Monoclonal
Clone Name :	G28-8
Application :	FACS, IP, Functional Assay
Reactivity :	Human
Gene :	CD180
Gene ID :	4064
Uniprot ID :	Q99467
Format :	Low Endotoxin
Alternative Name :	CD180,LY64,RP105
Isotype :	Mouse IgG1
Immunogen Information :	Human tonsillar B cells

Description

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.

Product Info

Amount :	0.1 mg
Purification :	Purified by protein-A affinity chromatography
Storage condition :	Store at 2-8°C. Do not freeze.

Application Note

Flow Cytometry *Recommended dilution:*2 ÃÂµg/ml
Immunoprecipitation Functional Application induction of B cell proliferation

For Research Use Only. Not for use in diagnostic/therapeutics procedures.