

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 Åµg/ml

Immunoprecipitation Functional Application induction of B cell proliferation