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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 ̸µg/ml Immunoprecipitation Functional Application induction of B cell proliferation