

### 30-1446: Anti-CD180 Monoclonal Antibody (Clone:G28-8)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	G28-8
<b>Application :</b>	FACS, IP, Functional Assay
<b>Reactivity :</b>	Human
<b>Gene :</b>	CD180
<b>Gene ID :</b>	4064
<b>Uniprot ID :</b>	Q99467
<b>Format :</b>	Purified
<b>Alternative Name :</b>	CD180,LY64,RP105
<b>Isotype :</b>	Mouse IgG1
<b>Immunogen Information :</b>	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

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

#### Application Note

**Flow Cytometry** *Recommended dilution:* 2  $\mu$ g/ml

**Immunoprecipitation Functional Application** induction of B cell proliferation