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30-2293: Anti-CD180 Monoclonal Antibody (Clone:G28-8)-PE Conjugated

Clonality: Monoclonal Clone Name: G28-8

Application : FACS, IP, Functional Assay

Reactivity: Human
Conjugate: PE
Gene: CD180
Gene ID: 4064
Uniprot ID: Q99467

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: 100 tests

Storage condition : Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light.

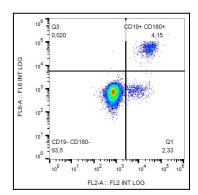


Figure 1: Surface staining of human peripheral blood cells with anti-CD180 (G28-8) PE.