

Anti-Human CD180 (RP-105) SAFIRE Purified

Catalog Number :12911-25

RUO: For Research Use Only. Not for use in diagnostic procedures.

Product Information

Clone: MHR73-11

Format/Conjugate: SAFIRE Purified

Concentration: 1.0 mg/mL

Reactivity: Human

Laser: Not Applicable

Peak Emission: Not Applicable

Peak Excitation: Not Applicable

Filter: Not Applicable

Brightness (1=dim,5=brightest): Not Applicable

Isotype: Mouse IgG1, kappa

Formulation: Phosphate-buffered aqueous solution, pH7.2.

Storage: Product should be kept at 2-8°C.

Applications: FC, FA

Description

The MHR73-11 monoclonal antibody binds to human CD180, a 105kDA cell surface molecule consisting of extracellular leucine rich repeats (LCC) and a short cytoplasmic tail also known as Bgp-95 and RP105. CD180 is expressed on B cells, dendritic cells, monocytes, and macrophages. It forms a cell surface receptor complex with MD-1 and with TLR4 is involved with the recognition of bacterial lipopolysaccharide (LPS). The MHR73-11 antibody is reported to protect against dexamethasone and irradiation induced apoptosis in B cells.

Preparation & Storage

The product should be stored undiluted at 4°C. Do not freeze. The monoclonal antibody was purified utilizing affinity chromatography.

Application Notes

The antibody has been analyzed for quality through the flow cytometric analysis of the relevant cell type. It is recommended that the reagent be titrated for optimal performance for each application.

References

1. Miura, Y., Shimazu, R., Miyake, K., Akashi, S., Ogata, H., Yamashita, Y., ... Kimoto, M. (1998). RP105 is associated with MD-1 and transmits an activation signal in human B cells.;Blood;92(8), 2815-2822.
2. Miguet, L., Lennon, S., Baseggio, L., Traverse-Glehen, A., Berger, F., Perrusson, N., ... Mauvieux, L. (2013). Cell-surface expression of the TLR homolog CD180 in circulating cells from splenic and nodal marginal zone lymphomas.;Leukemia;27(8), 1748-1750.
3. Koarada, S., Tada, Y., Sohma, Y., Haruta, Y., Suematsu, R., Mitamura, M., ... Nagasawa, K. (2010). Autoantibody-producing RP105- B cells, from patients with systemic lupus erythematosus, showed more preferential expression of BCMA compared with BAFF-R than normal subjects.;Rheumatology;49(4), 662-670.