

Anti-Human CD48 SAFIRE Purified

Catalog Number :10511-25

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

Product Information

Clone: 156-4H9

Format/Conjugate: SAFIRE Purified

Concentration: 1 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

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

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

Applications: FC, FA

Description

The 156-4H9 monoclonal antibody specifically reacts with human CD48, a GPI-linked glycoprotein in the Ig superfamily. CD48 was previously known as BCM1 in mice, Blast-1 in humans, and OX-45 in rats. Its ligands are CD2 and CD244 and it is expressed on leukocytes to the exclusion of non-hematopoietic cells and its expression increases in B cells upon activation.

Preparation & Storage

The product should be stored undiluted at 4°C. Do not freeze. The monoclonal antibody was purified utilizing affinitychromatography. The endotoxin level is determined by LAL test to be less than 0.01 EU/µg of the protein.

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.González-Álvaro, I., Domínguez-Jiménez, C., Ortiz, A. M., Núñez-González, V., Roda-Navarro, P., Fernández-Ruiz, E., ... Sánchez-Madrid, F. (2006). Interleukin-15 and interferon-γ participate in the cross-talk between natural killer and monocytic cells required for tumour necrosis factor production.;Arthritis research therapy,;8(4), R88.
2. Katagiri, T., Qi, Z., Ohtake, S., Nakao, S. (2011). GPI-anchored protein-deficient T cells in patients with aplastic anemia and low-risk myelodysplastic syndrome: implications for the immunopathophysiology of bone marrow failure.European journal of haematology,;86(3), 226-236.
3. Yokoyama, S., Staunton, D., Fisher, R., Amiot, M., Fortin, J. J., Thorley-Lawson, D. A. (1991). Expression of the Blast-1 activation/adhesion molecule and its identification as CD48.;The Journal of immunology,;146(7), 2192-2200.