

Anti-Human CD166 PE

Catalog Number :18711-60

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

Product Information

Clone: 3A6

Format/Conjugate: PE

Concentration: 5 μ L (0.06 μ g)/test

Reactivity: Human

Laser: Blue (488nm)

Peak Emission: 578nm

Peak Excitation: 496nm

Filter: 585/40

Brightness (1=dim,5=brightest): 5

Isotype: Mouse IgG1, kappa

Formulation: Phosphate-buffered aqueous solution, \leq 0.09% Sodium azide, may contain carrier protein/stabilizer, pH7.2.

Storage: Product should be kept at 2-8°C and protected from prolonged exposure to light.

Applications: FC

Description

The 3A6 monoclonal antibody specifically reacts with human CD166, a type I transmembrane glycoprotein in the immunoglobulin superfamily that is also called ALCAM. It plays an important role in mediating adhesion reactions and is expressed on activated monocytes, activated T cells, fibroblasts, neurons, and melanoma cells

Preparation & Storage

The product should be stored undiluted at 4°C and should be protected from prolonged exposure to light. Do not freeze. The monoclonal antibody was purified utilizing affinity chromatography and unreacted dye was removed from the product.

Application Notes

The antibody has been analyzed for quality through the flow cytometric analysis of the relevant cell type. The antibody can be used at less than or equal to 5 μ L per test. A test is the amount of antibody required to stain a cell sample in the final volume of 100 μ L.

References

1. Piazza, T., Cha, E., Bongarzone, I., Canevari, S., Bolognesi, A., Polito, L., ... Fabbi, M. (2005). Internalization and recycling of ALCAM/CD166 detected by a fully human single-chain recombinant antibody. *Journal of cell science*, 118(7), 1515-1525.
2. Kijima, N., Hosen, N., Kagawa, N., Hashimoto, N., Nakano, A., Fujimoto, Y., ... Yoshimine, T. (2011). CD166/activated leukocyte cell adhesion molecule is expressed on glioblastoma progenitor cells and involved in the regulation of tumor cell invasion. *Neuro-oncology*, 14(10), 1254-1264.
3. Fujiwara, H., Tatsumi, K., Kosaka, K., Sato, Y., Higuchi, T., Yoshioka, S., ... Fujii, S. (2003). Human blastocysts and endometrial epithelial cells express activated leukocyte cell adhesion molecule (ALCAM/CD166). *The Journal of Clinical Endocrinology Metabolism*, 88(7), 3437-3443.