anti-human CD162

monoclonal antibody TC2 to human CD162

Cat-No: **21271621** 100 µg in 100 µl

Clone: TC2

Specificity: The antibody TC2 reacts with CD162, a 220 kDa type I integral membrane protein expressed as disulfide-linked homodimer (sialomucin family). CD162 is present on the most peripheral blood T lymphocytes, monocytes, granulocytes; it is also expressed on a subpopulation of B lymphocytes and $CD34^+$ bone marrow cells.

Isotype subclass: Mouse IgG1

Form: Purified from cell culture supernatant by protein A-affinity chromatography.

Purity: > 95% (by SDS-PAGE)

Physical state: Liquid

Buffer/Additives/Preservative: PBS containing 0.09% sodium azide, pH 7.2.

Expiration date: The reagent is stable until the expiry date stated on the vial label.

Storage conditions: Store at -20°C. Avoid freeze/thaw cycles. Should be handled under aseptic conditions.

Application: Flow Cytometry

References: Leucocyte Typing VII. Mason D. et al. (Eds.), Oxford University Press (2002).

Background: CD162 (P-selectin glycoprotein ligand-1, PSGL-1) is a sialomucin constitutively expressed as a disulfide-linked homodimer of two 120 kDa subunits on the surface of circulating leukocytes. CD162 serves as a ligand for P- E- and L-selectin, with the highest affinity for P-selectin. It is thus involved in leukocyte rolling at the endothelial surfaces, prerequisite for firm leukocyte adhesion and subsequent transendothelial migration. CD162 also mediates leukocyte-platelet adhesion and interleukocyte contacts. Whereas serving as an adhesion molecule on mature leukocytes, CD162 is a potent negative regulator of human hematopoietic progenitors.

Warning: Sodium azide is harmful if swallowed (R22). Keep out of reach of children (S2). Keep away from food, drink and animal feeding stuff (S13). Wear suitable protective clothing (S36). If swallowed, seek medical advice immediately and show this container or label (S46). Contact with acids liberates very toxic gas (R32). Azide compounds should be flushed with large volumes of water during disposal to avoid deposits in lead or copper plumbing where explosive conditions can develop.

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