EuroBioSciences

Data Sheet

anti-human CD106 purified

Cat-No.: H12461 **0.1 mg**

Clone: STA

Specificity:
CD106 belongs to the Ig superfamily and is a110 kD single chain type 1 glycoprotein also known as VCAM-1 and INCAM-110. It is expressed predominantly on activated vascular endothelium but has also been identified on follicular and interfollicular dendritic cells, some macrophages, bone marrow stomal cells, and non-vascular cell populations within joints, kidney, muscle, heart, placenta, and brain. Expression on endothelial cells as well as many other cells is included by inflammatory stimuli and cytokines. Activated endothelial cells can release soluble forms of CD106 with can be detected in the blood. CD106 binds the integrins CD49d/CD29 (VLA-4) and $a_4ß_7$ that contribute to leukocyte adhesion, transmigration, and co-stimulation of T cell proliferation.

Isotype subclass: Mouse IgG1,k

Form: The antibody was purified by affinity chromatography.

Purity: > 95% (by SDS-PAGE)

Physical state: Liquid

Buffer/Additives/Preservative:
PBS containing 0.09% sodium azide, pH 7.4

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

Storage conditions: Store at 4 °C. For long-term storage aliquot and store at –20°C. Avoid freeze/thaw cycles.

References:
1. Carlos, T., et al., 1994. Blood 84:2068
2. Jones, E., et al., 1995. Nature 373:539

Application:
FC, IHC(frozen) IP[2], ELISA[2], Application notes: additional reported applications (for the relevant formates) include: immunohistochemical staining of acetone-fixed frozen tissue sections, immunoprecipitation[2], and ELISA[2] capture for sCD106. Application references: 1.Schlossman, S., et al., Eds. 1995. Leucocyte Typing V. Oxford University Press. NY , 2.Leca, G., et al., 1995.J. Immunol. 154:1069
Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analyses. For immunofluorescent staining, the suggested use of this reagent is < 1.0 µg per million cells in 100 µl volume or 100 µl of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

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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