

Product datasheet

anti-CD1b mouse monoclonal, 100-1A5, purified

Short overview

Cat. No. 691549

Quantity1 ml (100 μ g/ml)Concentration100 μ g/ml

Product description

HostMouseAntibody TypeMonoclonalIsotypeIgM kappaClone100-1A5

Immunogen Human leucocytes

Formulation PBS with 0.02% sodium azide

UniprotID P29016 (Human)

Synomym T-cell surface glycoprotein CD1b, CD antigen CD1b, CD1B

Conjugate Unconjugated

Purification Affinity chromatography

Storage 2-8°C

Intended use Research use only

Application ELISA, FACS, ICC/IF, IHC

Reactivity Human

Applications

ELISA Assay dependent

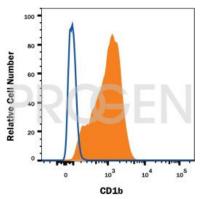
Flow Cytometry (FACS)0.5-1.0 μg/million cells in 0.1 mlImmunocytochemistry (ICC)1:100-1:200 (0.5-1.0 μg/ml)Immunohistochemistry (IHC) - frozen1:50-1:100 (1-2 μg/ml)

Background

100-1A5 reacts with CD1b, a 44 kDa type 1 glycoprotein associated with beta2-microglobulin. It is expressed on dendritic cells, Langerhans cells, thymocytes and T acute lymphoblastic leukemia cells. CD1, type 1 membrane protein, has structural similarity to the MHC class 1 molecule and has been shown to present lipid antigens for recognition by T lymphocytes. CD1b is also expressed in Langerhans interdigitating cells. 100-1A5 also reacts with pyramidal cells in the brain and was typed at the IVth International CD Workshop.

Positive control: Molt-4 cells, human thymus.

Product images



Human PBMC's