

mFluor[™] Blue 570 Anti-human CD1 Antibody *SN13*

Catalog number: 100120T0, 100120T1 Unit size: 100 tests, 500 tests

Storage Conditions 2-8°C with minimized light exposure. Do not freeze. Expiration Date 12 months upon receiving Concentration 0.1 mg/mL Formulation Phosphate-buffered saline (PBS, pH 7.2), 0.09% sodium azide, 0.2% (w/v) BSA Antibody Properties Species Reactivity Human Class Primary Clonality Monoclonal Hots Mouse IgG1 kappa Immunogen CD1b (R1) Clone SN13 Conjugate meTloor™ Blue 570 Preparation Antibody purified by affinity chromatography and then conjugated with mFluor™ Blue 570 Spectral Properties Application Flow cytometry (FACS), Fluorescence Imaging Application Sion	Product Details	
Concentration 0.1 mg/mL Formulation Phosphate-buffered saline (PBS, pH 7.2), 0.09% sodium azide, 0.2% (w/v) PSA Antibody Properties Antibody Properties Species Reactivity Human Class Primary Clonality Monoclonal Host Mouse IgG1 kappa Immunogen CD1b (R1) Clone NN13 Conjugate Red liquid Preparation Red liquid Preparation For Cytometry (FACS), Fluorescence Imaging Spectral Properties Son Millor ** Blue 570	Storage Conditions	2-8°C with minimized light exposure. Do not freeze.
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Excitation Wavelength 553 nm	Spectral Properties	
	Conjugate	mFluor™ Blue 570
Emission Wavelength 565 nm	Excitation Wavelength	553 nm
-	Emission Wavelength	565 nm

The SN13 monoclonal antibody binds to human CD1b, a transmembrane protein commonly found on the surface of langerhans cells, dendritic cells and Tregs. In some organisms, CD1 is a positive regulator of T cell mediated cytotoxicity, and is associated with a variety of biologically interesting macromolecules/ligands, in particular, β -2-microglobulin. CD1 is a moderately popular antibody target, with over 15000 publications

in the last decade. CD1b is commonly used in flow cytometry applications as a phenotypic marker for differentiation of cell types, particularly in the study of immunology. This antibody was purified through affinity chromatography and conjugated to mFluor[™] Blue 570 (ex/em = 553/565 nm). It is compatible with the 561 nm laser and 582/15 nm bandpass filter (for example, as in the BD FACSAria[™] Fusion).