

FITC Anti-human CD158d Antibody *mAb#33*

Catalog number: 115811G0, 115811G1 Unit size: 100 tests, 500 tests

Product Details 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 Antibody Properties Species Reactivity Human Class Primary Clonality Monoclonal Host Mouse IgG1 kappa Inmunogen CD158d (KIR2DL4) Clone mAb#33 Conjugate FITC Preparation Antibody purified by affinity chromatography and then conjugated with FITC under conditions Application Flow Cytometry (FACS), Fluorescence Imaging Spectral Properties FITC	
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Conjugate FITC	
Excitation Wavelength 491 nm	
Emission Wavelength 516 nm	

The mAb#33 monoclonal antibody binds to human CD158d, a 45 - 50 kD transmembrane glycoprotein frequently expressed on the surface of natural killer cells. In certain organisms, CD158d negatively regulates natural killer cell mediated cytotoxicity, is an enhancer of cellular senescence and positively regulates natural killer cell cytokine production. From a research standpoint, it is of biological interest due to its association with essential macromolecules/ligands like HLA-Bw4. CD158d is a relatively rare antibody target, with fewer than 200 publications in the last decade. Even still, CD158d has been widely used in immunology and innate immunity research, often serving as a phenotypic marker for

differentiating cell types in flow cytometric applications. This antibody was purified through affinity chromatography and conjugated to FITC (ex/em = 491/516 nm). It is compatible with the 488 nm laser and 533/30 nm bandpass filter (for example, as in the BD Accuri™ C6 Plus).