

cFluor[®] B548 Anti-Human CD15 (HI98)

PRODUCT DETAILS	
Catalog Number:	R7-20025 (100 tests) R7-20026 (25 tests)
Reactivity:	Human, Chimpanzee
Clone:	HI98
Format:	cFluor [®] B548*
Isotype:	Mouse IgM, κ
Test Dilution:	5 μL / test
Application:	Flow cytometry
Formulation:	Phosphate-buffered saline, pH 7.2, containing 0.09% sodium azide and 0.2% BSA (BSA Country of Origin USA)
Storage:	2-8°C and protected from light. Do not freeze

PRODUCT DESCRIPTION

The HI98 monoclonal antibody binds to human CD15, a 220-kDa carbohydrate structure. CD15 is also known as 3-fucosyl-N-acetyllactosamine (3-FAL), Lewis X, 3-FAL, X-hapten, and SSEA-1¹. CD15 is highly expressed on granulocytes, including neutrophils and eosinophils, and some on monocytes. It is absent from lymphocytes or basophils. CD15, a marker for human myeloid cell, is involved in various cell functions including phagocytosis, bacterial activity, neutrophil adhesion to dendritic cells and chemotaxis². The antibody was conjugated to a fluorophore and purified by affinity chromatography.

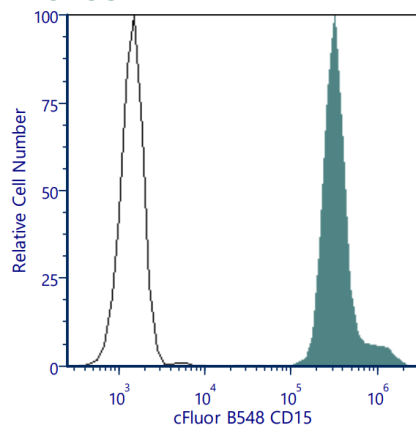
RECOMMENDED USAGE

Each lot of this antibody is quality control tested using flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5 μL per 1 million cells in a staining volume of 100 μL. If whole blood is analyzed, then use 5 μL per 100 μL. It is recommended that users titrate the antibody to obtain the optimal result for their specific application.

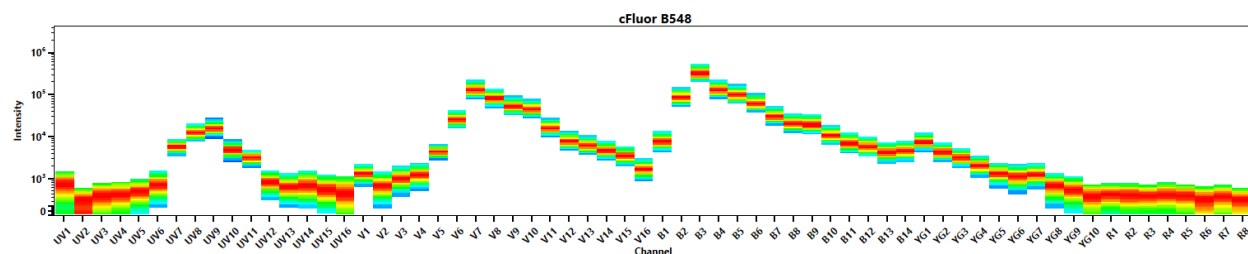
Please briefly centrifuge the reagent vial before use.

Use appropriate personal protective equipment per the product safety data sheet when using this product.

PRODUCT DATA



Human peripheral granulocytes stained with cFluor® B548 CD15 (clone HI98) (filled histogram) or mouse cFluor® B548 IgM, κ isotype control (open histogram).



Spectral signature of cFluor® B548 from a Cytek® Aurora 5 laser system equipped with 355, 405, 488, 561 and 640 nm lasers using CytekAssaySetting.

REFERENCES

1. Gadhoum SZ, et al. 2008. Nat Chem Biol. 4(12):751-757.
2. Lund-Johansen F, et al. 1992. J Immunol. 148(10):3221-3229.

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