

CD155 Monoclonal Antibody (2H7CD155), Super Bright™ 436, eBioscience™

Product Details	
Size	25 Tests
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), Super Bright™ 436, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	2H7CD155
Conjugate	Super Bright™ 436
Excitation/Emission Max	413/431 nm
Form	Liquid
Concentration	5 µL/Test
Storage conditions	4°C, store in dark, DO NOT FREEZE!
RRID	AB_2784822

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.25 µg)/test	-

Product Specific Information

Description: The monoclonal antibody 2H7CD155 recognizes CD155 also known as the poliovirus receptor. The CD155 protein is a member of the Ig superfamily in which 4 isoforms exist; only the alpha and delta forms are expressed on the membrane of monocytes, prostate cancer cells, as well as neuroectodermal and monocytic tumor cells lines. In addition, CD155 is found during mid-gastrulation during embryonic development. CD155 is thought to play a role in adhesion by interaction with the ECM component vitronectin as well as a role in NK killing of tumor cells. CD226 and CD96 are ligands for CD155. Blocking of CD155 is under therapeutic investigation for prevention of variants of poliovirus.

Applications Reported: This 2H7CD155 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This 2H7CD155 antibody has been pre-diluted and tested by flow cytometric analysis of U937 cells. This may be used at 5 µL (0.25 µg) per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test.

Super Bright 436 can be excited with the violet laser line (405 nm) and emits at 436 nm. We recommend using a 450/50 bandpass filter, or equivalent. Please make sure that your instrument is capable of detecting this fluorochrome.

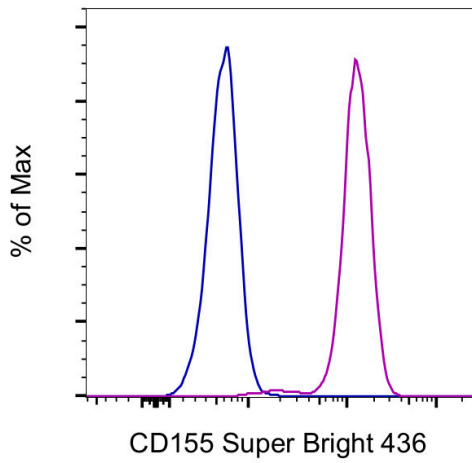
When using two or more Super Bright dye-conjugated antibodies in a staining panel, it is recommended to use Super Bright Complete Staining Buffer (Product # SB-4401) to minimize any non-specific polymer interactions. Please refer to the datasheet for Super Bright Staining Buffer for more information.

Excitation: 405 nm; Emission: 436 nm; Laser: Violet Laser

Super Bright Polymer Dyes are sold under license from Becton, Dickinson and Company.

CD155 Antibody (62-1550-41) in Flow

U937 cells were stained with Mouse IgG1 kappa Isotype Control, Super Bright 436 (Product # 62-4714-82) (blue histogram) or CD155 Monoclonal Antibody, Super Bright 436 (purple histogram). Total viable cells were used for analysis.



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