

HLA-ABC Monoclonal Antibody (W6/32), Super Bright™ 702, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Host/Isotype	Mouse / IgG2a, kappa
Recommended Isotype Control	Mouse IgG2a kappa Isotype Control (eBM2a), Super Bright™ 702, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	W6/32
Conjugate	Super Bright™ 702
Excitation/Emission Max	413/702 nm
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2724455

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (1.0 µg)/test	5 Publications
Neutralization (Neu)	-	1 Publication

Product Specific Information

Description: The W6/32 monoclonal antibody reacts with the human major histocompatibility complex (MHC) class I, HLA-A, B, C. MHC class I antigens associated with beta 2-microglobulin are expressed by all human nucleated cells and are central in cell-mediated immune response and tumor surveillance. W6/32 mAb recognizes a non-polymorphic epitope shared among products of the HLA-A, B, and C loci and immunoprecipitates both 43 kDa and 11-12 kDa chains. Crossreactivity is also seen in baboon, rhesus and cynomolgus monkey.

Applications Reported: This W6/32 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This W6/32 antibody has been pre-diluted and tested by flow cytometric analysis of normal human peripheral blood cells. This may be used at 5 µL (1.0 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 702 is a tandem dye that can be excited with the violet laser line (405 nm) and emits at 702 nm. We recommend using a 710/50 bandpass filter. 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.

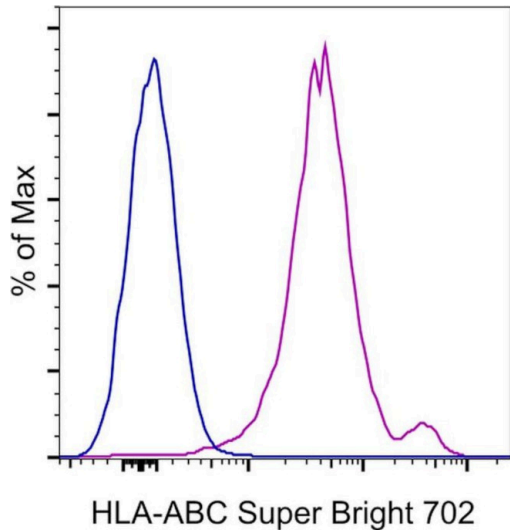
Light sensitivity: This tandem dye is sensitive to photo-induced oxidation. Please protect this vial and stained samples from light.

Fixation: Samples can be stored in IC Fixation Buffer (Product # 00-8222) (100 µL of cell sample + 100 µL of IC Fixation Buffer) or 1-step Fix/Lyse Solution (Product # 00-5333) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency/compensation. Some generalizations regarding fluorophore performance after fixation can be made, but clone specific performance should be determined empirically.

Excitation: 405 nm; Emission: 702 nm; Laser: Violet Laser

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

Product Images For HLA-ABC Monoclonal Antibody (W6/32), Super Bright™ 702, eBioscience™



HLA-ABC Antibody (67-9983-42) in Flow
Normal human peripheral blood cells were stained with Mouse IgG2a kappa Isotype Control, Super Bright 702 (Product # 67-4724-82) (blue histogram) or HLA-ABC Monoclonal Antibody, Super Bright 702 (purple histogram). Cells in the lymphocyte gate were used for analysis.

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Flow Cytometry (5)

Journal of oncology	Year 2022
Exploration of the Combination of PLK1 Inhibition with Immunotherapy in Cancer Treatment.	
"Published figure using HLA-ABC monoclonal antibody (Product # 67-9983-42) in Flow Cytometry"	
Authors: Li M,Liu Z,Wang X	
Nature communications	Year 2022
Mesenchymal stem cells transfer mitochondria to allogeneic Tregs in an HLA-dependent manner improving their immunosuppressive activity.	
"Published figure using HLA-ABC monoclonal antibody (Product # 67-9983-42) in Flow Cytometry"	
Authors: Piekarska K,Urban-Wójciuk Z,Kurkowiak M,Pelikant-Maecka I,Schumacher A,Sakowska J,Spodnik JH, Arcimowicz ,Zieliska H,Tymoniuk B,Renkielska A,Siebert J,Somiska E,Trzonkowski P,Hupp T,Marek-Trzonkowska NM	

View more Flow references on thermofisher.com

Neutralization (1)

Frontiers in immunology	Year 2021
Capturing T Lymphocytes' Dynamic Interactions With Human Neural Cells Using Time-Lapse Microscopy.	
"Published figure using HLA-ABC monoclonal antibody (Product # 67-9983-42) in Neutralization"	
Authors: Lemaître F,Carmena Moratalla A,Farzam-Kia N,Carpentier Solorio Y,Tastet O,Cleret-Buhot A,Guimond JV, Haddad E,Arbour N	

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