

# 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
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	2 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 10<sup>5</sup> to 10<sup>8</sup> 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.

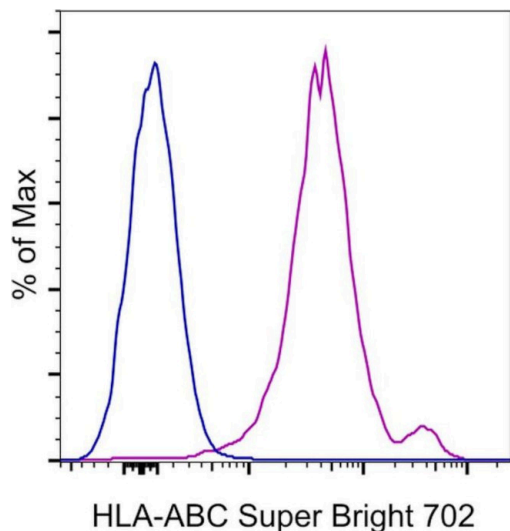
Light sensitivity: This tandem dye is sensitive to photo-induced oxidation. Please protect this vial and stained samples from light.

Fixation: Samples can be stored in IC Fixation Buffer (Product # 00-8222) (100  $\mu$ L of cell sample + 100  $\mu$ L 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.

[View more figures on thermofisher.com](https://www.thermofisher.com)

## Flow Cytometry (2)

Molecular therapy. Methods & clinical development

### Attenuation of Heparan Sulfate Proteoglycan Binding Enhances *In Vivo* Transduction of Human Primary Hepatocytes with AAV2.

"Published figure using HLA-ABC monoclonal antibody (Product # 67-9983-42) in Flow Cytometry"

Authors: Cabanes-Creus M, Westhaus A, Navarro RG, Baltazar G, Zhu E, Amaya AK, Liao SHY, Scott S, Sallard E, Dilworth KL, Rybicki A, Drouyer M, Hallwirth CV, Bennett A, Santilli G, Thrasher AJ, Agbandje-McKenna M, Alexander IE, Lisowski L

Year  
2020

Oncotarget

### Anti-angiogenic efficacy of 5'-triphosphate siRNA combining VEGF silencing and RIG-I activation in NSCLCs.

"Published figure using HLA-ABC monoclonal antibody (Product # 67-9983-42) in Flow Cytometry"

Authors: Yuan D, Xia M, Meng G, Xu C, Song Y, Wei J

Year  
2015

## Neutralization (1)

Frontiers in immunology

### 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: Lemaitre F, Carmena Moratalla A, Farzam-Kia N, Carpentier Solorio Y, Tastet O, Cleret-Buhot A, Guimond JV, Haddad E, Arbour N

Year  
2021

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