

# HLA-ABC Monoclonal Antibody (W6/32), Super Bright™ 436, 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™ 436, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	W6/32
Conjugate	Super Bright™ 436
Excitation/Emission Max	413/431 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_2688263

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.5 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 (0.5 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.

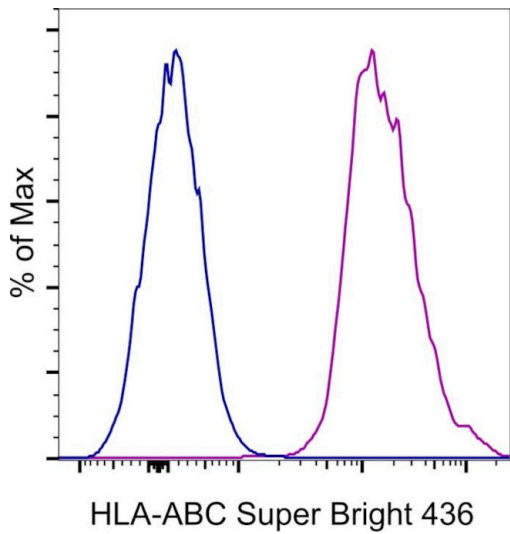
Super Bright 436 can be excited with the violet laser line (405 nm) and emits at 436 nm. We recommend using a 450/50 bandpass filter, or equivalent. Please make sure that your instrument is capable of detecting this fluorochrome.

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.

Product Images For HLA-ABC Monoclonal Antibody (W6/32), Super Bright™ 436, eBioscience™



**HLA-ABC Antibody (62-9983-42) in Flow**  
Normal human peripheral blood cells were stained with Mouse IgG2a kappa Isotype Control, Super Bright 436 (Product # 62-4724) (blue histogram) or HLA-ABC Monoclonal Antibody, Super Bright 436 (purple histogram). Cells in the lymphocyte gate were used for analysis.

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Flow Cytometry (5)

<p>Journal of oncology</p> <p><b>Exploration of the Combination of PLK1 Inhibition with Immunotherapy in Cancer Treatment.</b></p> <p>"Published figure using HLA-ABC monoclonal antibody (Product # 62-9983-42) in Flow Cytometry"</p> <p>Authors: Li M,Liu Z,Wang X</p>	<p>Year</p> <p>2022</p>
<p>Nature communications</p> <p><b>Mesenchymal stem cells transfer mitochondria to allogeneic Tregs in an HLA-dependent manner improving their immunosuppressive activity.</b></p> <p>"Published figure using HLA-ABC monoclonal antibody (Product # 62-9983-42) in Flow Cytometry"</p> <p>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</p>	<p>Year</p> <p>2022</p>

[View more Flow references on thermofisher.cn](#)

Neutralization (1)

<p>Frontiers in immunology</p> <p><b>Capturing T Lymphocytes' Dynamic Interactions With Human Neural Cells Using Time-Lapse Microscopy.</b></p> <p>"Published figure using HLA-ABC monoclonal antibody (Product # 62-9983-42) in Neutralization"</p> <p>Authors: Lemaître F,Carmena Moratalla A,Farzam-Kia N,Carpentier Solorio Y,Tastet O,Cleret-Buhot A,Guimond JV, Haddad E,Arbour N</p>	<p>Year</p> <p>2021</p>
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