

HLA-ABC Monoclonal Antibody (W6/32), PE, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Mouse, Human, Rhesus monkey
Host/Isotype	Mouse / IgG2a, kappa
Recommended Isotype Control	Mouse IgG2a kappa Isotype Control (eBM2a), PE, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	W6/32
Conjugate	PE
Excitation/Emission Max	565/576 nm
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_10547062

Applications	Tested Dilution	Publications
Immunohistochemistry (Frozen) (IHC (F))	-	2 Publications
Flow Cytometry (Flow)	5 µL (0.25 µg)/test	39 Publications

Product Specific Information

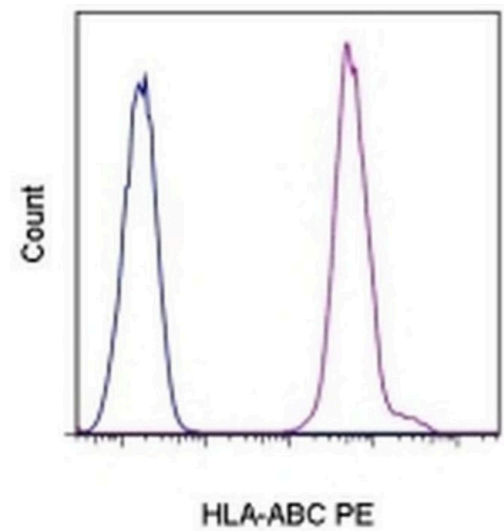
Description: The W6/32 monoclonal antibody reacts with the human major histocompatibility complex (MHC) class I, HLA-A, B, C. MHC class I antigens associated with beta 2-microglobulin are expressed by all human nucleated cells and are central in cell-mediated immune response and tumor surveillance. W6/32 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: The W6/32 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This W6/32 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can 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.

Excitation: 488-561 nm; **Emission:** 578 nm; **Laser:** Blue Laser, Green Laser, Yellow-Green Laser.

Filtration: 0.2 µm post-manufacturing filtered.



HLA-ABC Antibody (12-9983-42) in Flow
Staining of normal human peripheral blood cells with Mouse IgG2a K Isotype Control PE (Product # 12-4724-81) (blue histogram) or Anti-Human HLA-ABC PE (purple histogram). Cells in the lymphocyte gate were used for analysis.

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

Immunohistochemistry (Frozen) (2)

Human immunology	Year 2004
High level of aneuploidy of chromosome 6 by FISH analysis of head and neck squamous cell carcinoma: limited applicability of LOH analysis to define HLA loss.	
Authors: Koene GJ,Arts-Hilkes YH,van Dijk AJ,van der Ven KJ,Slootweg PJ,de Weger RA,Tilanus MG	
American journal of obstetrics and gynecology	Year 2001
A study of human leukocyte antigen G expression in hydatidiform moles.	
Authors: Goldman-Wohl D,Ariel I,Greenfield C,Hochner-Celnikier D,Lavy Y,Yagel S	

Flow Cytometry (39)

Molecular therapy. Methods & clinical development	Year 2023
Characterization of the humanized FRG mouse model and development of an AAV-LK03 variant with improved liver lobular biodistribution.	Species Mouse
"12-9983-42 was used in Flow cytometry/Cell sorting to show that fine-tuning the HSPG attachment profile of AAV vectors can be a powerful tool for engineering their liver lobular transduction profiles."	Dilution 1:20
Authors: Cabanes-Creus M,Navarro RG,Liao SHY,Scott S,Carlessi R,Roca-Pinilla R,Knight M,Baltazar G,Zhu E,Jones M,Denisenko E,Forrest ARR,Alexander IE,Tirnitz-Parker JEE,Lisowski L	
Human gene therapy	Year 2022
AAV-p40 Bioengineering Platform for Variant Selection Based on Transgene Expression.	Species Mouse
"12-9983-42 was used in flow cytometry to discover that AAV-p40 is a ubiquitously active promoter that can be modified for cell-type-specific expression by incorporating binding sites for silencing transcription factors, allowing for cell-type-specific library selection."	Dilution 1:20
Authors: Westhaus A,Cabanes-Creus M,Jonker T,Sallard E,Navarro RG,Zhu E,Baltazar Torres G,Lee S,Wilmott P,Gonzalez-Cordero A,Santilli G,Thrasher AJ,Alexander IE,Lisowski L	

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