

HLA-ABC Monoclonal Antibody (W6/32), PerCP-eFluor 710, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Human
Host/Isotype	Mouse / IgG2a, kappa
Recommended Isotype Control	Mouse IgG2a kappa Isotype Control (eBM2a), PerCP-eFluor 710, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	W6/32
Conjugate	PerCP-eFluor™ 710
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin, 0.2% BSA
Contains	0.09% sodium azide
Storage Conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_10804486

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.25 µg)/test	3 Publications
Immunohistochemistry (Frozen) (IHC (F))	-	2 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: This 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.

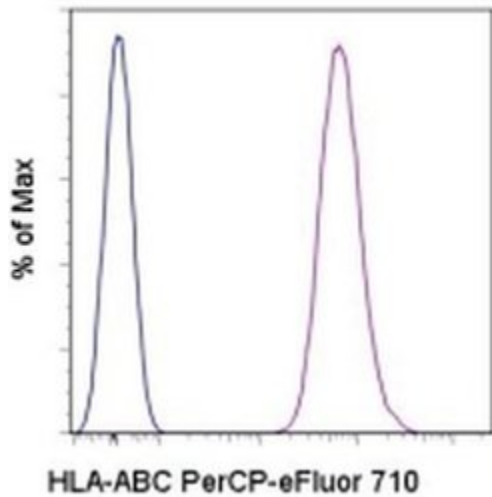
PerCP-eFluor® 710 can be used in place of PE-Cy5, PE-Cy5.5 or PerCP-Cy5.5. PerCP-eFluor® 710 emits at 710 nm and is excited with the blue laser (488 nm). Please make sure that your instrument is capable of detecting this fluorochrome. For a filter configuration, we recommend using the 685 LP dichroic mirror and 710/40 band pass filter, however the 695/40 band pass filter is an acceptable alternative.

Our testing indicates that PerCP-eFluor® 710 conjugated antibodies are stable when stained samples are exposed to freshly prepared 2% formaldehyde overnight at 4°C, but please evaluate for alternative fixation protocols.

Excitation: 488 nm; Emission: 710 nm; Laser: Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For HLA-ABC Monoclonal Antibody (W6/32), PerCP-eFluor 710, eBioscience™



HLA-ABC Antibody (46-9983-42) in Flow

Staining of normal human peripheral blood cells with Mouse IgG2a K Isotype Control PerCP-eFluor® 710 (Product # 46-4724-82) (blue histogram) or Anti-Human HLA-ABC PerCP-eFluor® 710 (purple histogram). Cells in the lymphocyte gate were used for analysis.

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

Immunohistochemistry (Frozen) (2)

American journal of obstetrics and gynecology

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

Species
Not Applicable

Dilution
Not Cited

Year
2001

Human immunology

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

Species
Not Applicable

Dilution
Not Cited

Year
2004

Flow Cytometry (3)

Stem cells (Dayton, Ohio)

Generation of functional, antigen-specific CD8+ human T cells from cord blood stem cells using exogenous Notch and tetramer-TCR signaling.

"Published figure using HLA-ABC monoclonal antibody (Product # 46-9983-42) in Flow Cytometry"

Authors: Fernandez I,Ooi TP,Roy K

Species
Human

Dilution
Not Cited

Year
2014

Stem cell research and therapy

Identification and validation of multiple cell surface markers of clinical-grade adipose-derived mesenchymal stromal cells as novel release criteria for good manufacturing practice-compliant production.

"Published figure using HLA-ABC monoclonal antibody (Product # 46-9983-42) in Flow Cytometry"

Authors: Camilleri ET,Gustafson MP,Dudakovic A,Riester SM,Garces CG,Paradise CR,Takai H,Karperien M,Cool S,Sampen HJ,Larson AN,Qu W,Smith J,Dietz AB,van Wijnen AJ

Species
Not Applicable

Dilution
Not Cited

Year
2016

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

More applications with references on thermofisher.com

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