

# HLA-ABC Monoclonal Antibody (W6/32), PE-Cyanine7, 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), PE-Cyanine7, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	W6/32
Conjugate	PE-Cyanine7
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_2573570

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (1 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 (1 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.

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

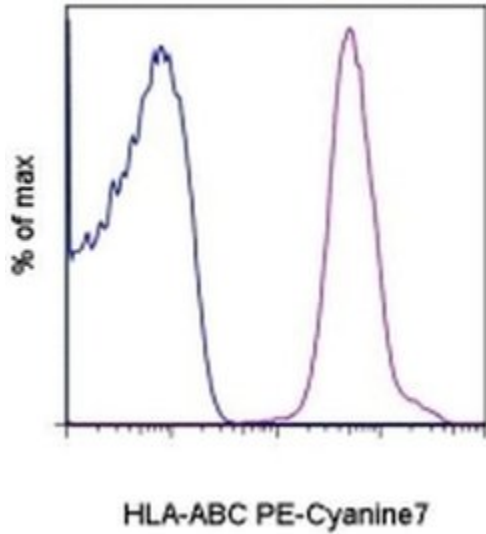
**Fixation:** Samples can be stored in IC Fixation Buffer (cat. 00-8222) (100 µL of cell sample + 100 µL of IC Fixation Buffer) or 1-step Fix/Lyse Solution (cat. 00-5333) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency

/compensation. Some generalizations regarding fluorophore performance after fixation can be made, but clone specific performance should be determined empirically.

Excitation: 488-561 nm; Emission: 775 nm; Laser: Blue Laser, Green Laser, Yellow-Green Laser.

Filtration: 0.2 µm post-manufacturing filtered.

### Product Images For HLA-ABC Monoclonal Antibody (W6/32), PE-Cyanine7, eBioscience™



#### HLA-ABC Antibody (25-9983-42) in Flow

Staining of normal human peripheral blood cells with Mouse IgG2a K Isotype Control PE-Cyanine7 (Product # 25-4724-81) (blue histogram) or Anti-Human HLA-ABC PE-Cyanine7 (purple histogram). Cells in the lymphocyte gate were used for analysis.

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

## Immunohistochemistry (Frozen) (2)

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,Slotweg PJ,de Weger RA,Tilanus MG

**Species**  
Not Applicable

**Dilution**  
Not Cited

**Year**  
2004

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

## Flow Cytometry (3)

PloS one

### Hypoxia and hypoxia-inducible factor (HIF) downregulate antigen-presenting MHC class I molecules limiting tumor cell recognition by T cells.

"Published figure using HLA-ABC monoclonal antibody (Product # 25-9983-42) in Flow Cytometry"

Authors: Sethumadhavan S,Silva M,Philbrook P,Nguyen T,Hatfield SM,Ohta A,Sitkovsky MV

**Species**  
Human

**Dilution**  
Not Cited

**Year**  
2017

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 # 25-9983-42) in Flow Cytometry"

Authors: Fernandez I,Ooi TP,Roy K

**Species**  
Human

**Dilution**  
Not Cited

**Year**  
2014

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

## More applications with references on thermofisher.com

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