

# HLA-ABC Monoclonal Antibody (W6/32), Functional Grade, eBioscience™

Product Details	
Size	500 µg
Species Reactivity	Human
Published Species	Human
Host/Isotype	Mouse / IgG2a, kappa
Recommended Isotype Control	Mouse IgG2a kappa Isotype Control (eBM2a), Functional Grade, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	W6/32
Conjugate	Functional Grade
Form	Liquid
Concentration	1 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	no preservative
Storage Conditions	4° C
RRID	AB_469305

Applications	Tested Dilution	Publications
Control (Ctrl)	Assay-Dependent	-
Flow Cytometry (Flow)	1 µg/test	3 Publications
Functional Assay (FN)	Assay-Dependent	-
ELISA (ELISA)	-	1 Publication
Immunofluorescence (IF)	-	1 Publication
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: The W6/32 antibody has been reported for use in flow cytometric analysis.

Applications Tested: The W6/32 antibody has been tested by flow cytometric analysis of normal human peripheral blood cells. This

can be used at less than or equal to 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. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Storage and handling: Use in a sterile environment.

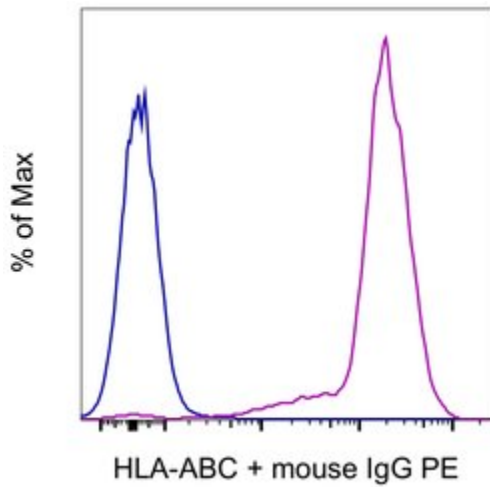
Filtration: 0.2 µm post-manufacturing filtered.

Purity: Greater than 90%, as determined by SDS-PAGE.

Endotoxin Level: Less than 0.001 ng/µg antibody, as determined by LAL assay.

Aggregation: Less than 10%, as determined by HPLC.

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



### HLA-ABC Antibody (16-9983-85) in Flow

Normal human peripheral blood cells were stained with 0.5 µg of Mouse IgG2a kappa Isotype Control (Product # 14-4724-82) (blue histogram) or 0.5 µg of HLA-ABC Monoclonal Antibody, Functional Grade (purple histogram) followed by IgG Polyclonal Antibody, PE (Product # 12-4010-87). Cells in the lymphocyte gate were used for analysis.

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

## 7 References

### 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

### Immunofluorescence (1)

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)

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 # 16-9983-85) 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

### ELISA (1)

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