# 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.

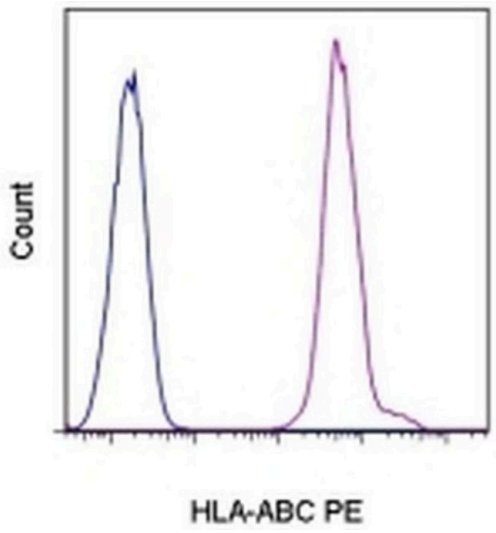
Applications Reported: The W6/32 antibody has been reported for use in flow cytometric analysis.

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 10^5 to 10^8 cells/test.

Excitation: 488-561 nm; Emission: 578 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, eBioscience™




**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**

## 41 References

### 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,Slootweg PJ,de Weger RA,Tilanus MG

**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

**Year**
2001

### Flow Cytometry (39)

**Molecular therapy. Methods & clinical development**

**Characterization of the humanized FRG mouse model and development of an AAV-LK03 variant with improved liver lobular biodistribution.**

"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."

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

**Year**
2023

**Species**
Mouse

**Dilution**
1:20

**Human gene therapy**

**AAV-p40 Bioengineering Platform for Variant Selection Based on Transgene Expression.**

"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."

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

**Year**
2022

**Species**
Mouse

**Dilution**
1:20

View more Flow references on thermofisher.com

### More applications with references on thermofisher.com