Anti-Human HLA-ABC Functional Grade Purified

Catalog Number: 16-9983
Also known as:
RUO: For Research Use Only. Not for use in diagnostic procedures.

Product Information

Contents: Anti-Human HLA-ABC Functional Grade Purified
REF **Catalog Number:** 16-9983
Clone: W6/32
Concentration: 1 mg/mL
Host/Isotype: Mouse IgG2a, kappa
Handling Conditions: Use in sterile environment.
Endotoxin: Less than 0.001 ng/ug antibody, as determined by the LAL assay.

Formulation: aqueous buffer, no sodium azide
Temperature Limitation: Store at 2-8°C.
LOT **Batch Code:** Refer to vial
Use By: Refer to vial

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 human peripheral blood leukocytes. 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 10^5 to 10^8 cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

Barnstable, C. J., W. F. Bodmer, et al. 1978. Production of monoclonal antibodies to group A erythrocytes, HLA and other human cell surface antigens-new tools for genetic analysis. Cell 14(1): 9-20.

Koene G, Arts-Hilkes, et al.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. Hum Immunol. 65(12):1455-62. (IHC frozen, PubMed)

Goldman-Wohl D, Ariel I, et al. 2001. A study of human leukocyte antigen G expression in hydatidiform moles. Am J Obstet Gynecol. 185(2):476-80. (IHC frozen, PubMed)

Stern PL, Beresford N, et al. 1987. Class I-like MHC molecules expressed by baboon placental syncytiotrophoblast. J Immunol. 138(4):1088-91. (baboon cross-reactivity, PubMed)

Related Products

11-4011 Anti-Mouse IgG FITC
11-4317 Streptavidin FITC
12-4317 Streptavidin PE
13-4013 Anti-Mouse IgG Biotin (Polyclonal)
16-4724 Mouse IgG2a K Isotype Control Functional Grade Purified
17-4317 Streptavidin APC

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