HLA-ABC Antibody [clone Bra-23/9] (V5178)

Catalog No.	Formulation	Size
V5178-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5178-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5178SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a, kappa
Clone Name	Bra-23/9
Purity	Protein A/G affinity
UniProt	P01889, P30443, P30499
Localization	Cell Surface
Applications	Flow Cytometry : 1-2ug/million cells Immunofluorescence : 1-2ug/ml
Limitations	This HLA-ABC antibody is available for research use only.

Description

Reacts with a monomorphic determinant of human major histocompatibility (MHC) class I antigens (HLA-A, B and C). Immunoprecipitation of lactoperoxidase radioiodinated cell surface proteins and surface sialoglycoproteins radiolabeled by sodium metaperiodate/tritiated sodium borohydride technique confirmed the structure gp44,p12 (consisting of a 44kDa

glycopeptide linked with a non-glycosylated 12kDa peptide) typical for MHC class I antigen(s) as a structure recognized by Bra23/9. Human MHC class I antigens are expressed constitutively on all nucleated cells lymphocytes such as lymphocytes, thymocytes, granulocytes, and bone marrow cells and are absent on erythrocytes. MHC class I antigens play a role in class I MHC-associated antigen presentation, inhibition of NK cell cytotoxicity, tumor surveillance, and tissue allotransplantation.

Application Notes

Optimal dilution of the HLA-ABC antibody should be determined by the researcher.

Immunogen

Human REH cells (a pre-B leukaemia cell line) was used as the immunogen for the HLA-ABC antibody.

Storage

Aliquot the HLA-ABC antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.