



HLA-ABC (MHC I) Antibody

Mouse Monoclonal Antibody [Clone Bra-23/9]

| Catalog No | Format | Size |
|-----------------|---|--------|
| 3105-MSM2-P0 | Purified Ab with BSA and Azide at 200ug/ml | 20 ug |
| 3105-MSM2-P1 | Purified Ab with BSA and Azide at 200ug/ml | 100 ug |
| 3105-MSM2-P1ABX | Purified Ab WITHOUT BSA and Azide at 1.0mg/ml | 100 ug |

| Applications | Tested Dillution | Note |
|-------------------------|---------------------|------|
| Flow Cytometry (Flow) | 1-2ug/million cells | |
| Immunofluorescence (IF) | 1-3ug/ml | |

Product Details

| | |
|------------------------|---|
| Clone | Bra-23/9 |
| Gene Name | HLA-B |
| Immunogen | Human REH cells (pre-B leukaemia cell line) |
| Host | Mouse |
| Clonality | Monoclonal |
| Isotype / Light Chain | IgG2a / Kappa |
| Mol. Weight of Antigen | ~41kDa |
| Cellular Localization | Cell surface |
| Species Reactivity | Human, Mouse, Non-Human primates |
| Positive Control | THP-1 and Jurkat cells. Tonsil or lymph node. |

*Optimal dilution for a specific application should be determined.

Product Images for HLA-ABC (MHC I) Antibody

Specificity & Comments

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.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Immunology, Infectious Disease