

HLA-A Antibody (Clone # 7G7F9)

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| ALTERNATE NAMES: | HLA-A; HLAA; HLA class I histocompatibility antigen, A-3 alpha chain; MHC class I antigen A*3 |
| CATALOG #: | 6790-50 |
| AMOUNT: | 50 µl |
| HOST/ISOTYPE: | Mouse, IgG1, Igk |
| IMMUNOGEN: | This HLA-A antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 70-99 amino acids from human HLA-A. |
| MOLECULAR WEIGHT: | ~40.841 kDa |
| FORM: | Liquid |
| FORMULATION: | Crude ascites with 0.09% (W/V) sodium azide. |
| SPECIES REACTIVITY: | Human. |

STORAGE CONDITIONS: Maintain refrigerated at 2-8°C for up to 6 months. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

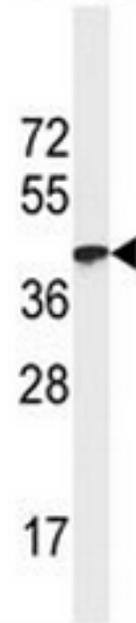
DESCRIPTION: Major histocompatibility complex (MHC) molecules form an integral part of the immune response system. They are cell-surface receptors that bind peptides and present them to T lymphocytes. Human leukocyte antigens (HLAs) are polymorphic members of the MHC family that are specifically involved in the presentation of antigens to the T cell receptor. There are two classes of HLA antigens: class I (HLA-A, HLA-B and HLA-C) and class II (HLA-D). Class I molecules are expressed in nearly all cells and play a central role in the immune system by presenting peptides derived from the endoplasmic reticulum. The differential structural properties of MHC class I and class II molecules account for their respective roles in activating different populations of T lymphocytes. HLA-A encodes a membrane anchored heavy chain which hetero-dimerizes with a light chain (b-2-Microglobulin) to form MHC-I. Polymorphisms yield hundreds of HLA-A alleles.

APPLICATION: WB: 1:500 – 1:1000.

Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.

FOR RESEARCH USE ONLY! Not to be used on humans.

Ramos



Western blot analysis of HLA-A Antibody in Ramos cell line lysates (35 µg/lane). HLA-A (arrow) was detected using the purified MAb (1:500)

RELATED PRODUCTS:

- HLA-B Antibody (Clone # 528CT10.4.1) (Cat # 6791-100)
- HLA-DRA Antibody (Clone # 302CT2.3.2) (Cat # 6792-50)
- CD74, human recombinant (Cat # 7317-100)
- Human CellExp™ CD74/DHLAG, human recombinant (Cat # 7387-10, -50)
- sCD4, human recombinant (Cat # 4939-10, -1000)