

Datasheet for ABIN6939619

anti-HLA-A antibody**2** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	HLA-A
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Flow Cytometry (FACS), Immunofluorescence (IF)

Product Details

Immunogen:	Normal human peripheral blood lymphocytes
Clone:	108-2C5
Isotype:	IgG1 kappa
Specificity:	<p>HLA-A, with HLA-B and HLA-C, belongs to major histocompatibility complex (MHC) class I antigens and expresses constitutively on all nucleated cells. MHC class I antigens play a role in class I MHC-associated antigen presentation, inhibition of NK cell cytotoxicity, tumor surveillance, and tissue allotransplantation. This MAb is useful for HLA molecular typing of peripheral blood leukocytes as well as a large number of leukemic cell lines. It reacts with an intralocus determinant present on a limited number of HLA-A locus-encoded gene products (HLA-A2, -A3, -A28, -A29, -A30, -A31 and -Aw33). Its epitope maps between aa65-to-aa80 of the 1 domain of the HLA-A. This MAb recognizes an intralocus determinant present on a limited number of HLA-A locus-encoded gene products (HLA-A2, -A3, A28, -A29, -A30, -A31 and -Aw33). Furthermore, by testing its reactivity with HLA-A2 natural variants and mutants, the importance of amino acid residues 79 and/or 80 of the alpha1 domain was demonstrated in the formation</p>

Product Details

of an intralocus HLA-A determinant.

Target Details

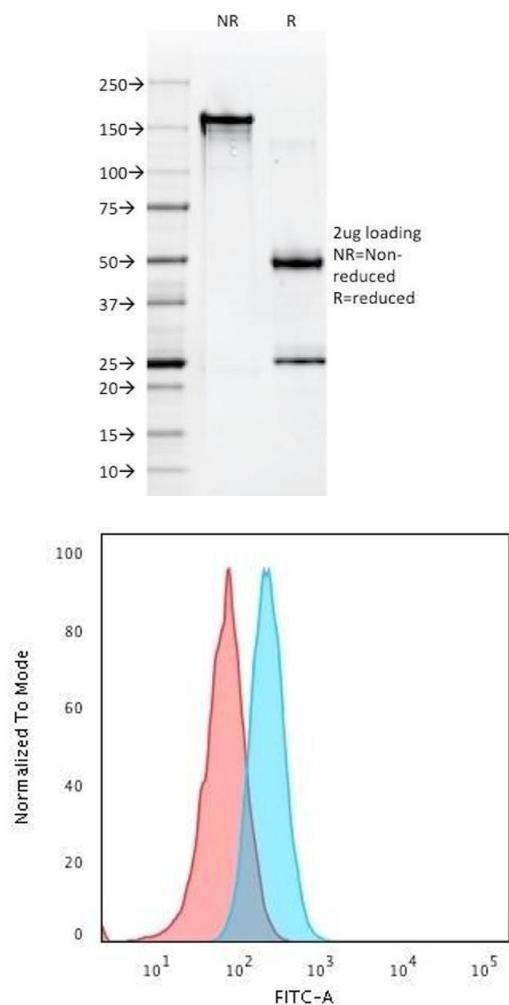
Target:	HLA-A
Alternative Name:	HLA-A (HLA-A Products)
Molecular Weight:	~41kDa
Gene ID:	3105
UniProt:	P01889 , P30443 , P30499
Pathways:	TCR Signaling , Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process , Cancer Immune Checkpoints , Human Leukocyte Antigen (HLA) in Adaptive Immune Response

Application Details

Application Notes:	Positive Control: Raji, THP-1 and Jurkat cells. Tonsil or lymph node. Known Application: Flow Cytometry (1-2 µg/million cells), Immunofluorescence (1-2 µg/mL), Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -80 °C
Storage Comment:	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.
Expiry Date:	24 months



SDS-PAGE

Image 1. SDS-PAGE Analysis Purified HLA-A Mouse Monoclonal Antibody (108-2C5). Confirmation of Purity and Integrity of Antibody.

Flow Cytometry

Image 2. Flow Cytometric Analysis of Raji cells. HLA-A Mouse Monoclonal Antibody (108-2C5) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype control (Red).