



[Go to Product page](#)

Datasheet for ABIN6152731
anti-HLA-Aw32-&-HLA-A25 (MHC-I) antibody (CF®405S)

Overview

Quantity:	100 µL
Target:	HLA-Aw32-&-HLA-A25 (MHC-I)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	CF®405S
Application:	Flow Cytometry (FACS), Immunofluorescence (IF), Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

Product Details

Purpose:	Mouse Monoclonal anti-HLA-Aw32-&-HLA-A25 (MHC-I) (CATA-1), CF405S Conjugate
Immunogen:	Normal human peripheral blood lymphocytes of phenotype A1, Aw32, B7, B37, Cw-, Cw-, DR2, DRw10
Clone:	CATA-1
Isotype:	IgG2a kappa
Characteristics:	This MAb reacts with cells bearing HLA-A25 or HLA-Aw32 antigens. In addition, a reaction was observed with a cell of phenotype A2, Aw31, B17, Bw49. HLA-A, with HLA-B and HLA-C, belongs to major histocompatibility complex (MHC) class I antigens and expresses constitutively on all nucleated cells. HLA system comprises closely linked genes controlling highly polymorphic proteins involved in the presentation of peptides to the T-cell receptor, inhibition of NK cell cytotoxicity, and rejection of tissue allotransplantation. Specific alleles at HLA loci are

Product Details

associated with diseases. This MAb is specifically applicable for typing peripheral T cells for the antigens HLA-A25 and HLA-Aw32. Primary antibodies are available purified, or with a selection of fluorescent CF® dyes and other labels. CF® dyes offer exceptional brightness and photostability. Note: Conjugates of blue fluorescent dyes like CF®405S and CF®405M are not recommended for detecting low abundance targets, because blue dyes have lower fluorescence and can give higher non-specific background than other dye colors.

Target Details

Target:	HLA-Aw32-&-HLA-A25 (MHC-I)
Background:	HLA-A, HLA class 1A, MHC class I HLA-A
Molecular Weight:	kDa
Gene ID:	3105, 181244, 654404
UniProt:	P01889 , P30443 , P30499

Application Details

Application Notes:	Immunohistology formalin-fixed 0.5-1 µg/mL <ul style="list-style-type: none">• Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes• Immunofluorescence 0.5-1 µg/mL• Flow Cytometry 0.5-1 µg/million cells/0.1 mL• Optimal dilution for a specific application should be determined by user
Comment:	THP-1 and Jurkat cells. Tonsil or lymph node.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	100 µg/mL
Buffer:	PBS/0.1 % 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.

Handling

Handling Advice: Protect from light