abcam

Product datasheet

Anti-HLA DMA antibody ab55149

2 Images

Overview

Product name	Anti-HLA DMA antibody
Description	Mouse monoclonal to HLA DMA
Host species	Mouse
Tested applications	**Suitable for:** WB, IHC-P
Species reactivity	**Reacts with:** Human
Immunogen	Recombinant full length protein, corresponding to amino acids 1-262 of Human HLA DM

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: None PBS, pH 7.2
Purity	Protein G purified
Clonality	Monoclonal
Isotype	IgG1
Light chain type	kappa

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab55149 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 - 5 µg/ml. Predicted molecular weight: 29 kDa.
IHC-P		Use a concentration of 3 µg/ml.

Target

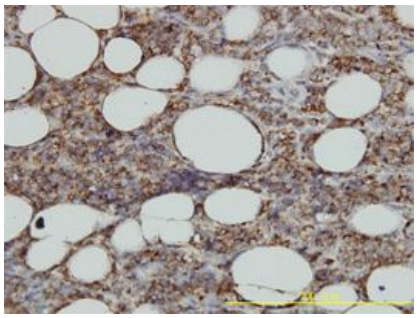
Relevance

Human Leukocyte Antigens are highly polymorphic proteins that are 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). This antibody can be used for HLA typing. HLA DM plays a critical role in catalyzing the release of class II HLA-associated invariant chain-derived peptides (CLIP) from newly synthesized class II HLA molecules and freeing the peptide binding site for acquisition of antigenic peptides.

Cellular localization

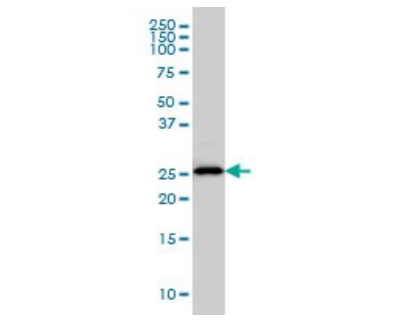
Late endosome membrane; Single-pass type I membrane protein. Lysosome membrane; Single-pass type I membrane protein. Note: Localizes to late endocytic compartment. Associates with lysosome membranes.

Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HLA DM antibody (ab55149)

HLA DM antibody (ab55149) used in immunohistochemistry at 3ug/ml on formalin fixed and paraffin embedded human malignant lymphoma, diffuse large B tissue.



Western blot - Anti-HLA DM antibody (ab55149)

HLA DM antibody (ab55149) at 1ug/lane + U-2 cell lysate at 25ug/lane.

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