

Product datasheet

Anti-HLA Class II DRB1 antibody [EPR6148] ab133578

Recombinant RabMAb

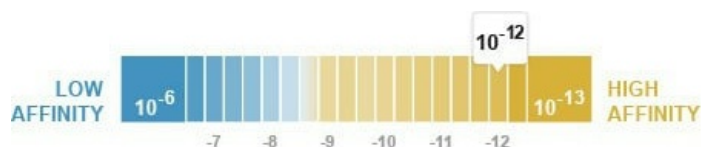
★★★★★ [1 Abreviews](#) [4 References](#) [8 Images](#)

Overview

Product name	Anti-HLA Class II DRB1 antibody [EPR6148]
Description	Rabbit monoclonal [EPR6148] to HLA Class II DRB1
Host species	Rabbit
Tested applications	Suitable for: IHC-P, ICC/IF, WB Unsuitable for: Flow Cyt or IP
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide within Human HLA Class II DRB1 aa 150-250. The exact sequence is proprietary. Also SwissProt: Q29974 Database link: P01911
Positive control	WB: Human spleen, and Ramos lysates. IHC-P: human tonsil tissue. ICC/IF: Raji cells.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents . Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Dissociation constant (K_D)	K _D = 8.80 x 10 ⁻¹² M



[Learn more about K_D](#)

Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol, 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR6148
Isotype	IgG

Applications

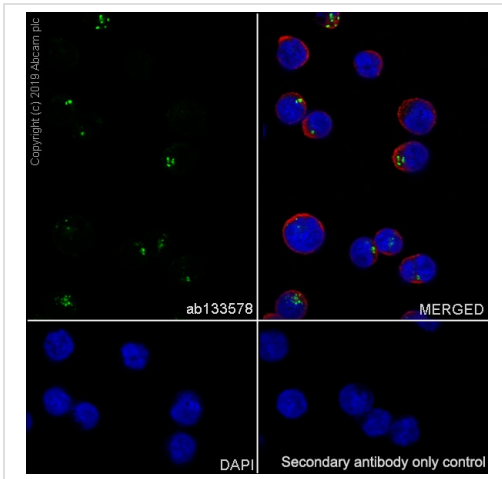
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab133578 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P	★★★★★ (1)	1/2000. Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol. Use a HRP/AP polymerized secondary antibody. See <u>IHC antigen retrieval protocols</u> For unprified use at 1/100 - 1/250
ICC/IF		1/50. For unprified use at 1/100 - 1/250
WB		1/1000 - 1/10000. Predicted molecular weight: 29 kDa.

Application notes Is unsuitable for Flow Cyt or IP.

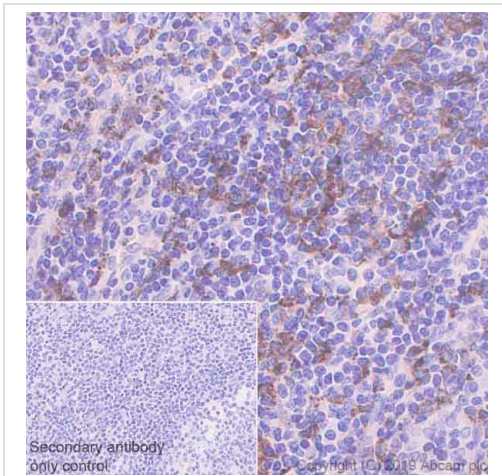
Target

Images



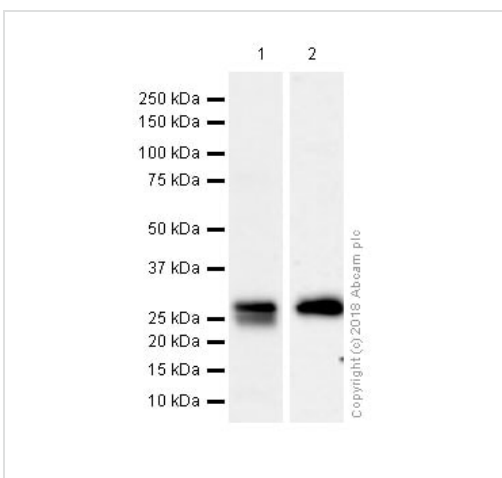
Immunocytochemistry/ Immunofluorescence - Anti-HLA Class II DRB1 antibody [EPR6148] (ab133578)

Immunocytochemistry/ Immunofluorescence analysis of Raji (Human Burkitt's Lymphoma B lymphocyte) cells labeling HLA Class II DRB1 with Purified ab133578 at 1:50 dilution (2.24 µg/ml). Cells were fixed in 100% Methanol and permeabilized with None. Cells were counterstained with Ab195889 Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) 1:200 (2.5 µg/ml). Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) was used as the secondary antibody at 1:1000 (2 µg/ml) dilution. DAPI (blue) was used as nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HLA Class II DRB1 antibody [EPR6148] (ab133578)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human tonsil tissue sections labeling HLA Class II DRB1 with Purified ab133578 at 1:2000 dilution (0.06 µg/ml). Perform heat mediated antigen retrieval using **ab93684** (Tris/EDTA buffer, pH 9.0). Purified ImmunoHistoProbe one step HRP Polymer (ready to use) was used for detection. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.



Western blot - Anti-HLA Class II DRB1 antibody [EPR6148] (ab133578)

All lanes : Anti-HLA Class II DRB1 antibody [EPR6148] (ab133578) at 1/1000 dilution (Purified)

Lane 1 : Human spleen lysates

Lane 2 : Ramos (Human Burkitt's lymphoma B lymphocyte) whole cell lysates

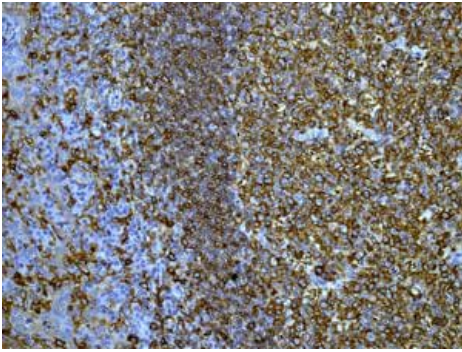
Lysates/proteins at 15 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG (HRP) with minimal cross-reactivity with human IgG at 1/2000 dilution

Predicted band size: 29 kDa

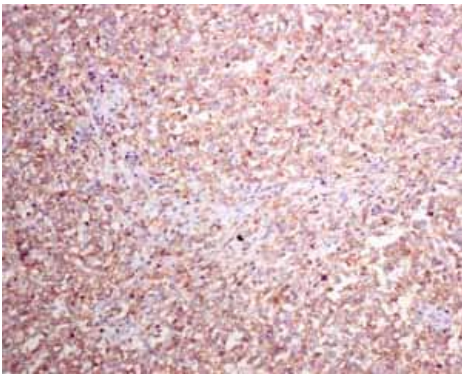
Observed band size: 29 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HLA Class II DRB1 antibody [EPR6148] (ab133578)

Immunohistochemical analysis of HLA Class II DRB1 in formalin fixed, paraffin embedded Human tonsil tissue stained with ab133578 at a 1/100 dilution.

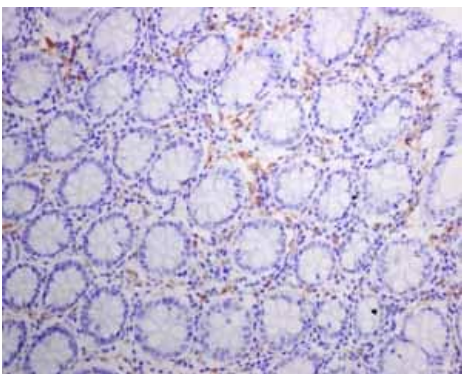
Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HLA Class II DRB1 antibody [EPR6148] (ab133578)

ab133578 showing positive staining in Diffuse large B-cell lymphoma tissue.

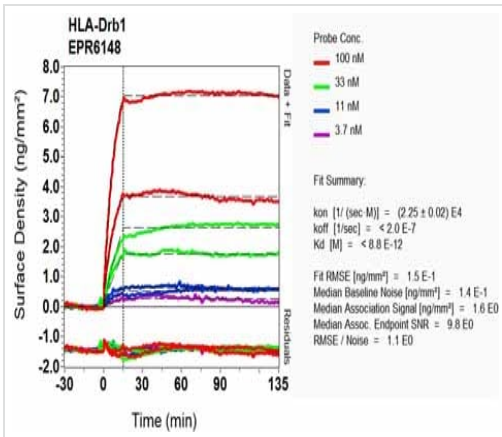
Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HLA Class II DRB1 antibody [EPR6148] (ab133578)

ab133578 showing positive staining in Normal colon tissue.

Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol.



Equilibrium disassociation constant (K_D)

Learn more about K_D

[Click here to learn more about \$K_D\$](#)

OI-RD Scanning - Anti-HLA Class II DRB1 antibody
[EPR6148] (ab133578)

Why choose a recombinant antibody?

Research with confidence
Consistent and reproducible results

Long-term and scalable supply
Recombinant technology

Success from the first experiment
Confirmed specificity

Ethical standards compliant
Animal-free production

Anti-HLA Class II DRB1 antibody [EPR6148]
(ab133578)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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