

## Product datasheet

### Anti-HLA Class II DRB1 antibody [EPR6148] ab133578

Recombinant RabMAb

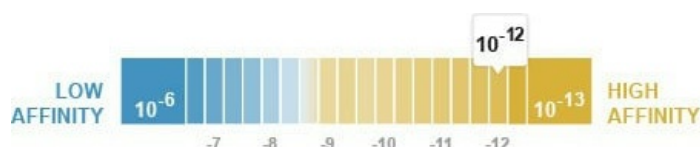
★★★★★ [1 Abreviews](#) [4 References](#) [8 Images](#)

#### Overview

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

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
<b>Dissociation constant (K<sub>D</sub>)</b>	K <sub>D</sub> = 8.80 x 10 <sup>-12</sup> M



[Learn more about K<sub>D</sub>](#)

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

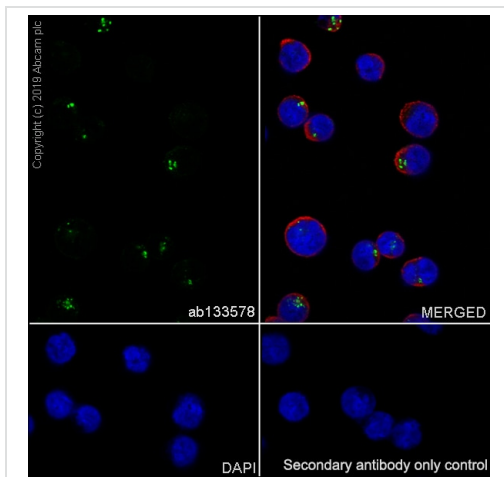
**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab133578 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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 <a href="#">IHC antigen retrieval protocols</a> 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.

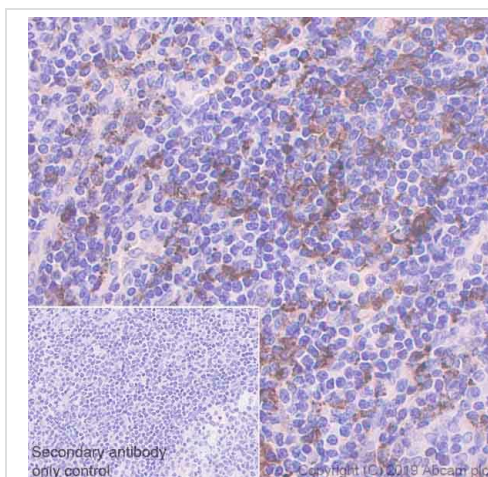
## Target

## Images



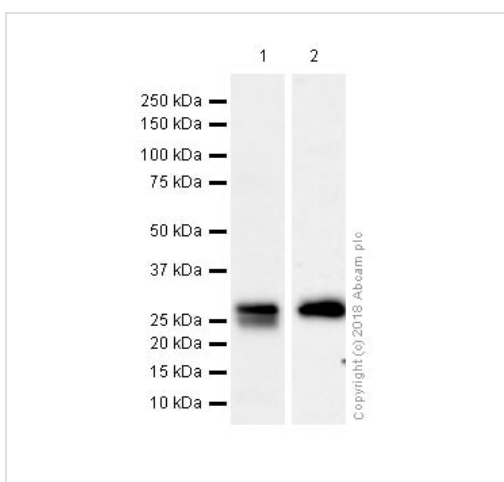
Immunocytochemistry/ Immunofluorescence - Anti-HLA Class II DRB1 antibody [EPR6148] (ab133578)

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

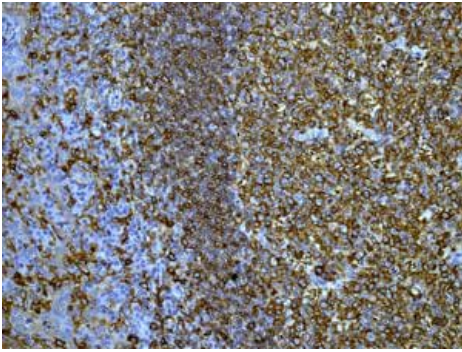
Lysates/proteins at 15 µg per lane.

### Secondary

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

**Predicted band size:** 29 kDa

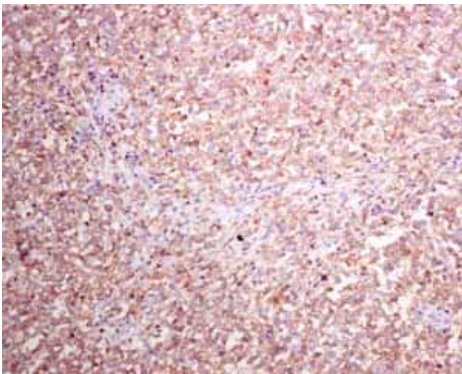
**Observed band size:** 29 kDa



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.

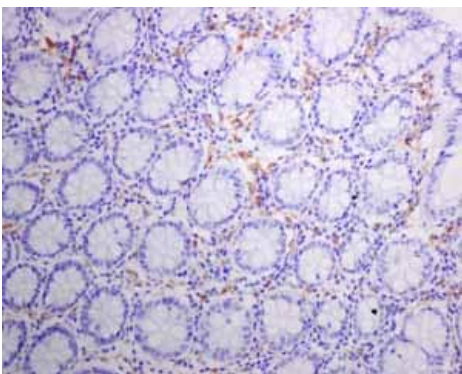
Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol.



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.

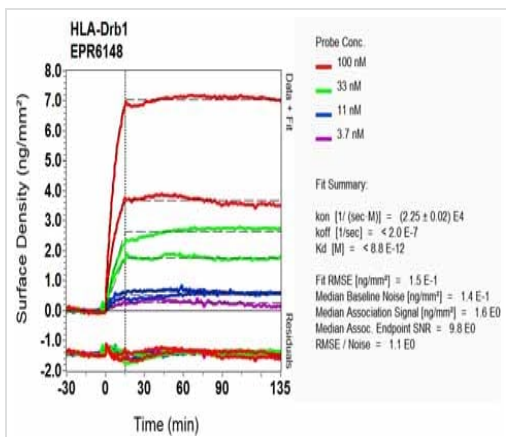
Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol.



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.



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

Equilibrium dissociation constant ( $K_D$ )

Learn more about  $K_D$

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

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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