

## Product datasheet

# Anti-HLA B7 antibody [EPR2623(2)] ab109089

Recombinant RabMAB

2 Images

### Overview

<b>Product name</b>	Anti-HLA B7 antibody [EPR2623(2)]
<b>Description</b>	Rabbit monoclonal [EPR2623(2)] to HLA B7
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P <b>Unsuitable for:</b> Flow Cyt, ICC or IP
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	A synthetic peptide corresponding to residues in the extracellular domain of Human HLA B7.
<b>Positive control</b>	Jurkat, HL60, TF1, and Ramos cell lysates; Human tonsil tissue.
<b>General notes</b>	This product is a recombinant rabbit monoclonal antibody.  Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.  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>

### 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>Storage buffer</b>	PBS 49%, Sodium azide 0.01%, Glycerol 50%, BSA 0.05%
<b>Purity</b>	Tissue culture supernatant
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR2623(2)
<b>Isotype</b>	IgG

### Applications

Our [Abpromise guarantee](#) covers the use of **ab109089** 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		1/1000 - 1/10000. Predicted molecular weight: 40 kDa.
IHC-P		1/250 - 1/500. Antigen retrieval is recommended.

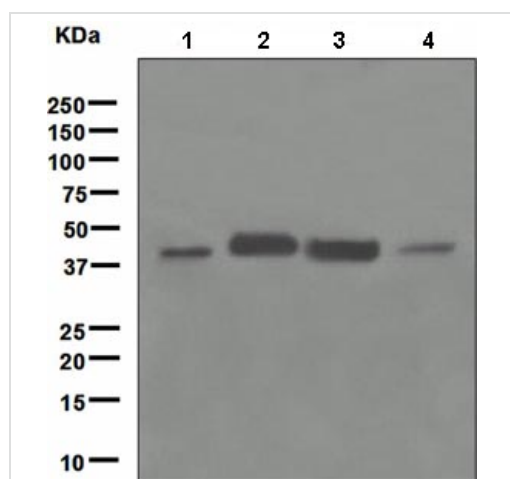
**Application notes** Is unsuitable for Flow Cyt, ICC or IP.

## Target

**Relevance** HLA B belongs to the HLA class I heavy chain paralogues. This class I molecule is a heterodimer consisting of a heavy chain and a light chain (beta 2 microglobulin). The heavy chain is anchored in the membrane. Class I molecules play a central role in the immune system by presenting peptides derived from the endoplasmic reticulum lumen. They are expressed in nearly all cells. The heavy chain is approximately 45 kDa. Hundreds of HLA B alleles have been described.

**Cellular localization** Cell Membrane, single pass type I membrane protein.

## Images



**All lanes :** Anti-HLA B7 antibody [EPR2623(2)] (ab109089) at 1/1000 dilution

**Lane 1 :** Jurkat Ramos cell lysate

**Lane 2 :** HL60 cell lysate

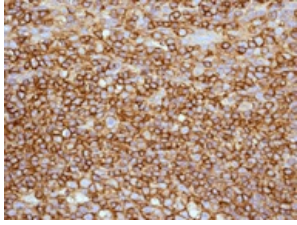
**Lane 3 :** TF1 cell lysate

**Lane 4 :** Ramos cell lysate

Lysates/proteins at 10 µg per lane.

**Predicted band size:** 40 kDa

Western blot - HLA B7 antibody [EPR2623(2)] (ab109089)



ab109089 at 1/250 dilution staining HLA B7 in Human tonsil by Immunohistochemistry, Paraffin-embedded tissue.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - HLA B7 antibody [EPR2623(2)] (ab109089)

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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