

Product datasheet

Anti-CD27 antibody [EPR21209] ab213318

Recombinant

3 Images

Overview

<b>Product name</b>	Anti-CD27 antibody [EPR21209]
<b>Description</b>	Rabbit monoclonal [EPR21209] to CD27
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Baboon, Macaque monkey, Gorilla 
<b>Immunogen</b>	Recombinant fragment (His-tag) corresponding to Human CD27 aa 1-200. Database link: <a href="#">P26842</a>
<b>Positive control</b>	Flow Cyt: Daudi cells IHC-P: FFPE human normal tonsil tissue sections.
<b>General notes</b>	This product is an in vitro raised antibody. It was made using <a href="#">synthetic libraries and phage display technology</a> .  This antibody is a recombinant chimeric antibody. Rabbit chimeric monoclonal antibody (Human Fab/ Rabbit Fc).

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	Preservative: 0.02% Sodium azide Constituents: PBS, 1% BSA
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR21209
<b>Isotype</b>	IgG1

Applications

The **Abpromise guarantee** Our [Abpromise guarantee](#) covers the use of ab213318 in the following tested applications.

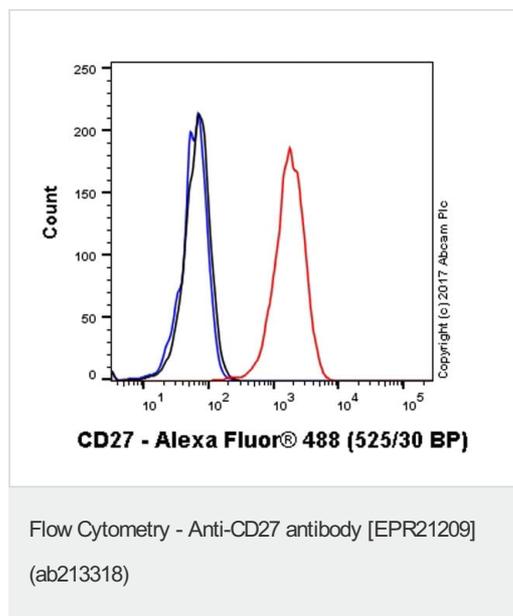
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		1/10.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

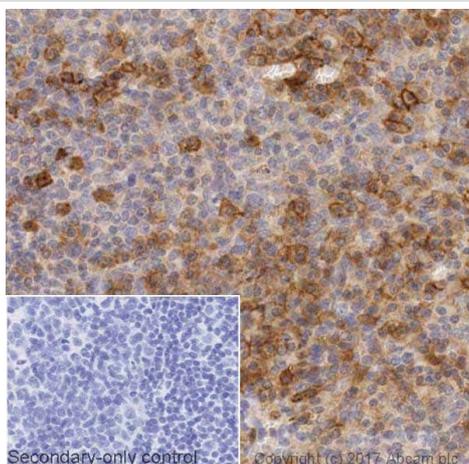
## Target

<b>Function</b>	Receptor for CD70/CD27L. May play a role in survival of activated T-cells. May play a role in apoptosis through association with SIVA1.
<b>Tissue specificity</b>	Found in most T-lymphocytes.
<b>Sequence similarities</b>	Contains 3 TNFR-Cys repeats.
<b>Post-translational modifications</b>	Phosphorylated and O-glycosylated.
<b>Cellular localization</b>	Membrane.

## Images



Overlay histogram showing Daudi cells stained with ab213318 (red line). The cells were incubated in 1x PBS / 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (ab213318, 1/10 dilution) for 30 min at 4°C. The secondary antibody (black line) used was Alexa Fluor® 488 goat anti-rabbit IgG (H&L) (ab150081) at 1/2000 dilution for 30 min at 4°C. Unlabelled sample (blue line) was also used as a control. Acquisition of >30,000 total events were collected.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD27 antibody [EPR21209] (ab213318)

IHC image of CD27 staining in human normal tonsil formalin fixed paraffin embedded tissue section, performed on a Leica Bond system using the standard protocol B. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab213318, 1µg/ml, for 15 mins at room temperature. A goat anti-rabbit biotinylated secondary antibody was used to detect the primary, and visualized using an HRP conjugated ABC system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX. The inset secondary-only control image is taken from an identical assay without primary antibody.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times

### Why choose a recombinant antibody?

 <b>Research with confidence</b> Consistent and reproducible results	 <b>Long-term and scalable supply</b> Recombinant technology
 <b>Success from the first experiment</b> Confirmed specificity	 <b>Ethical standards compliant</b> Animal-free production

Anti-CD27 antibody [EPR21209] (ab213318)

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

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