

Product datasheet

Anti-CD27 antibody [EPR8568] ab133761


KO VALIDATED

Recombinant

RabMAb

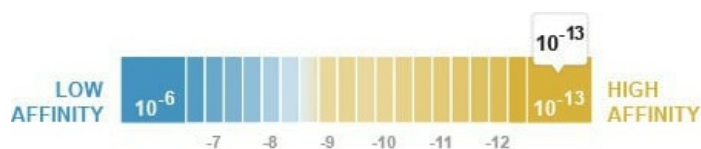
5 Images

Overview

Product name	Anti-CD27 antibody [EPR8568]
Description	Rabbit monoclonal [EPR8568] to CD27
Host species	Rabbit
Tested applications	Suitable for: WB, ICC/IF Unsuitable for: IHC-P or IP
Species reactivity	Reacts with: Human Predicted to work with: Rat 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	Raji and Ramos cell lysates; Ramos cells.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <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 <p>For more information see here.</p> <p>Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.</p> <p>Mouse: We have preliminary internal testing data to indicate this antibody may not react with this species. Please contact us for more information.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
Dissociation constant (K _D)	K _D = 7.60 x 10 ⁻¹³ M



Learn more about K_D

Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR8568
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab133761 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

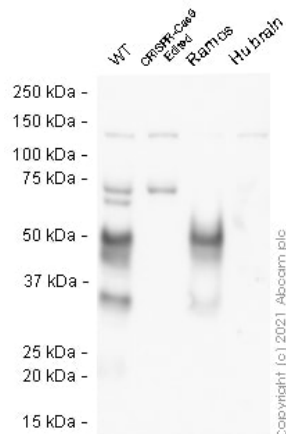
Application	Abreviews	Notes
WB		1/1000 - 1/10000. Detects a band of approximately 55 kDa (predicted molecular weight: 29 kDa).
ICC/IF		1/50 - 1/100.

Application notes Is unsuitable for IHC-P or IP.

Target

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

Images



Western blot - Anti-CD27 antibody [EPR8568] (ab133761)

All lanes : Anti-CD27 antibody [EPR8568] (ab133761) at 1/1000 dilution

Lane 1 : Wild-type Raji cell lysate

Lane 2 : CD27 knockout Raji cell lysate

Lane 3 : Ramos cell lysate

Lane 4 : Human Brain tissue lysate

Lysates/proteins at 20 µg per lane.

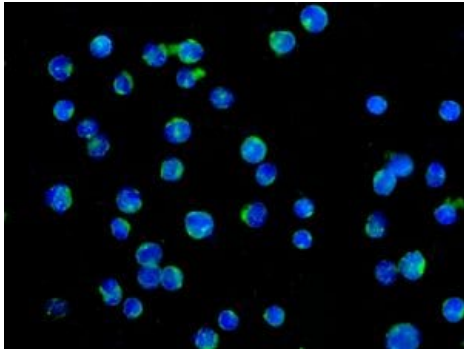
Performed under reducing conditions.

Predicted band size: 29 kDa

Observed band size: 50 kDa

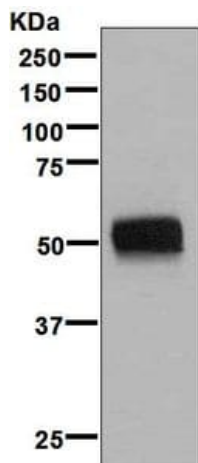
Exposure time: 2 minutes

ab133761 was shown to react with CD27 in wild-type Raji cells in western blot. Loss of signal was observed when CD27 knockout cell line **ab274910** (knockout cell lysate **ab281360**) was used. Membranes were blocked in 3 % milk in TBS-T (0.1 % Tween®) before incubation with ab133761 overnight at 4 °C at a 1 in 1000 dilution. Blots were incubated with HRP conjugated Goat anti-Rabbit (H+L) secondary antibody at 1 in 5000 for 1 hour at room temperature before development with Optiblot ECL reagent (**ab133456**) and imaging.



Immunofluorescent staining of CD27 in Ramos cells, using ab133761 at a 1/50 dilution.

Immunocytochemistry/ Immunofluorescence - Anti-CD27 antibody [EPR8568] (ab133761)



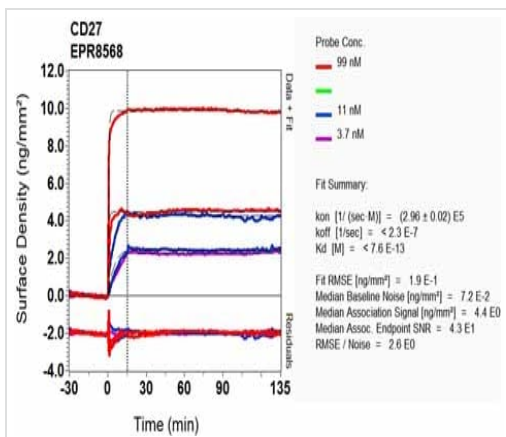
Anti-CD27 antibody [EPR8568] (ab133761) at 1/1000 dilution + Ramos cell lysate at 10 µg

Secondary

Goat anti-rabbit HRP conjugated antibody at 1/2000 dilution

Predicted band size: 29 kDa

Western blot - Anti-CD27 antibody [EPR8568] (ab133761)



SPR Scanning - Anti-CD27 antibody [EPR8568]
(ab133761)

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-CD27 antibody [EPR8568] (ab133761)

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