

Product datasheet

Anti-CD137 antibody [EPR20238] ab209256

Recombinant RabMAb

5 Images

Overview

Product name	Anti-CD137 antibody [EPR20238]
Description	Rabbit monoclonal [EPR20238] to CD137
Host species	Rabbit
Tested applications	Suitable for: WB Unsuitable for: IHC-P
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: His-tagged CD137 Fc chimera recombinant protein containing human CD137 (aa24-186); Human lymphoma and fetal spleen lysates; H9 whole cell lysate; whole cell lysate from Jurkat cells treated with 10ng/ml Phorbol-12-myristate-13-acetate (TPA) and 1µM Ionomycin (ab120116) for 48 hours.
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>

Properties

Form	Liquid
Storage instructions	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.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal

Clone number EPR20238
Isotype IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab209256 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. Detects a band of approximately 36, 40 kDa (predicted molecular weight: 28 kDa).

Application notes Is unsuitable for IHC-P.

Target

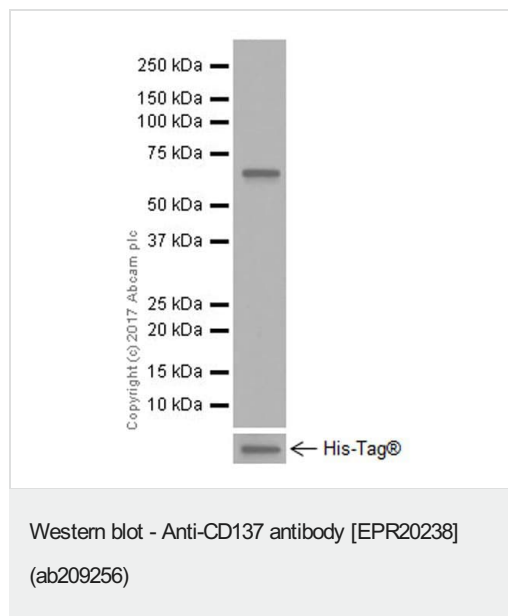
Function Receptor for TNFSF14/4-1BBL. Possibly active during T cell activation.

Tissue specificity Expressed on the surface of activated T-cells.

Sequence similarities Contains 4 TNFR-Cys repeats.

Cellular localization Membrane.

Images



Anti-CD137 antibody [EPR20238] (ab209256) at 1/5000 dilution + His-tagged CD137 Fc chimera recombinant protein containing human CD137 (aa24-186) at 0.01 µg

Secondary

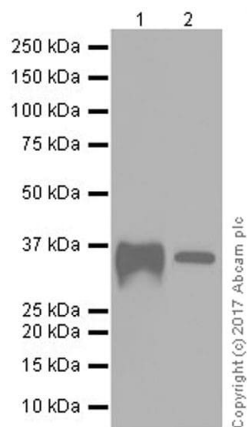
Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/100000 dilution

Predicted band size: 28 kDa

Observed band size: 65 kDa

Exposure time: 4 seconds

Blocking/Dilution buffer: 5% NFDM/TBST.



Western blot - Anti-CD137 antibody [EPR20238]
(ab209256)

All lanes : Anti-CD137 antibody [EPR20238] (ab209256) at 1/1000 dilution

Lane 1 : Human lymphoma lysate

Lane 2 : Human fetal spleen tissue lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/50000 dilution

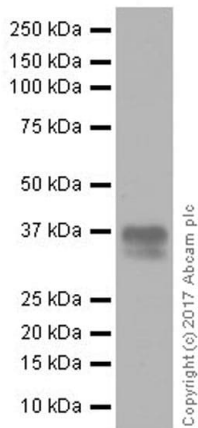
Predicted band size: 28 kDa

Observed band size: 36 kDa

Exposure time: 3 minutes

Blocking/Dilution buffer: 5% NFDm/TBST.

The MW observed is consistent with the literature: PMID 10528184; PMID 17560335.



Western blot - Anti-CD137 antibody [EPR20238]
(ab209256)

Anti-CD137 antibody [EPR20238] (ab209256) at 1/1000 dilution + H9 (Human cutaneous T Lymphocyte cell line) whole cell lysate at 20 µg

Secondary

Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution

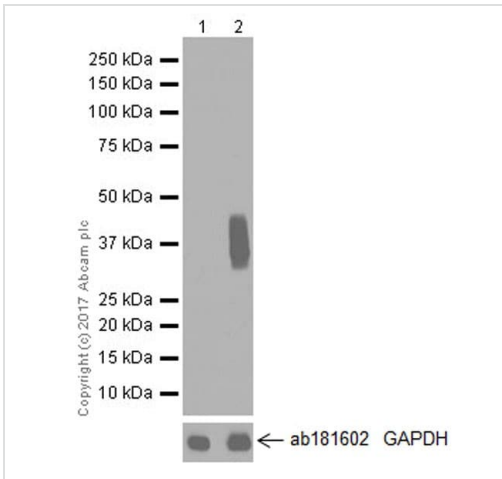
Predicted band size: 28 kDa

Observed band size: 36,40 kDa

Exposure time: 3 minutes

Blocking/Dilution buffer: 5% NFDm/TBST.

The MW observed is consistent with the literature: PMID 10528184; PMID 17560335.



Western blot - Anti-CD137 antibody [EPR20238] (ab209256)

All lanes : Anti-CD137 antibody [EPR20238] (ab209256) at 1/1000 dilution

Lane 1 : Whole cell lysate from untreated Jurkat (Human T cell leukemia cell line from peripheral blood)

Lane 2 : Whole cell lysate from Jurkat cells treated with 10ng/ml Phorbol-12-myristate-13-acetate (TPA) and 1µM Ionomycin (**ab120116**) for 48 hours

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution

Predicted band size: 28 kDa

Observed band size: 36,40 kDa

Exposure time: 3 minutes

Blocking/Dilution buffer: 5% NFD/MTBST.

The expression level of CD137 can be induced by TPA and Ionomycin [PMID 14648705].

The MW observed is consistent with the literature: PMID 10528184; PMID 17560335.

Why choose a recombinant antibody?

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

Anti-CD137 antibody [EPR20238] (ab209256)

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

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