

Product datasheet

Anti-CD137 antibody [BLR051F] - BSA free ab252559

Recombinant

5 Images

Overview

Product name	Anti-CD137 antibody [BLR051F] - BSA free
Description	Rabbit monoclonal [BLR051F] to CD137 - BSA free
Host species	Rabbit
Tested applications	Suitable for: WB, IP, IHC-P, ICC/IF
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment corresponding to Human CD137. Extracellular domain. Database link: Q07011
Positive control	IHC-P: Human tonsil tissue. ICC: HCLM2 cells. WB: HDLM whole cell lysate. IP: HDLM2 whole cell lysate.
General notes	This product is sold under License from Bethyl Laboratories, Inc.

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: 7.8 Preservative: 0.09% Sodium azide Constituent: 99% Borate buffered saline
Purification notes	Purified from cell culture supernatant.
Clonality	Monoclonal
Clone number	BLR051F
Isotype	IgG

Applications

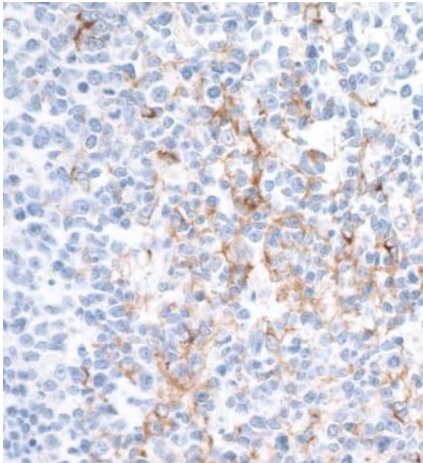
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab252559 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000. Predicted molecular weight: 28 kDa.
IP		Use at an assay dependent concentration. 6 µl/1 mg lysate
IHC-P		1/100 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF		1/100 - 1/500. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE cell sections.

Target

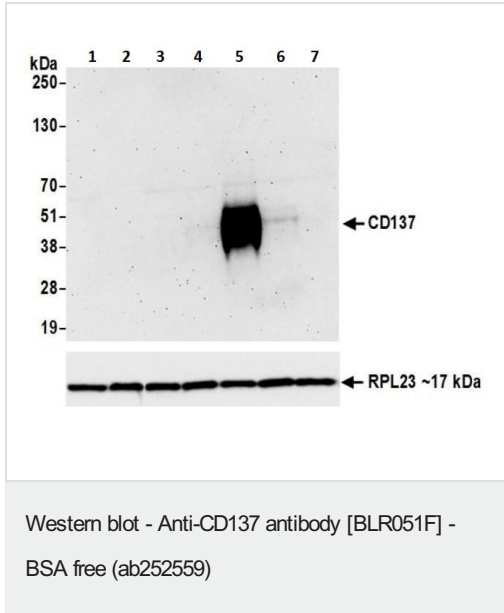
Function	Receptor for TNFSF14/4-1BBL. Possibly active during T cell activation.
Tissue specificity	Expressed on the surface of activated T-cells.
Sequence similarities	Contains 4 TNFR-Cys repeats.
Cellular localization	Membrane.

Images



Formalin-fixed, paraffin-embedded human tonsil tissue stained for CD37 with ab252559 at a 1/200 dilution in immunohistochemical analysis. DAB staining. HRP-conjugated goat anti-rabbit IgG secondary.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD137 antibody [BLR051F] - BSA free (ab252559)



All lanes : Anti-CD137 antibody [BLR051F] - BSA free (ab252559) at 1/1000 dilution

Lane 1 : HeLa (Human epithelial cell line from cervix adenocarcinoma) whole cell lysate

Lane 2 : HEK-293T (Human epithelial cell line from embryonic kidney transformed with large T antigen) whole cell lysate

Lane 3 : Jurkat (Human T cell leukemia cell line from peripheral blood) whole cell lysate

Lane 4 : SUP-M2 (Human cell line) whole cell lysate

Lane 5 : HDML2 (Human cell line) whole cell lysate

Lane 6 : My-La-CD4+ (Human cell line) whole cell lysate

Lane 7 : HepG2 (Human liver hepatocellular carcinoma cell line) whole cell lysate

Lysates/proteins at 50 µg per lane.

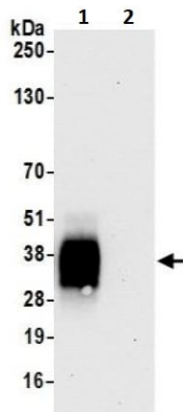
Secondary

All lanes : HRP-conjugated goat anti-rabbit IgG

Predicted band size: 28 kDa

Exposure time: 3 minutes

Prepared using NETN lysis buffer.



Immunoprecipitation - Anti-CD137 antibody
[BLR051F] - BSA free (ab252559)

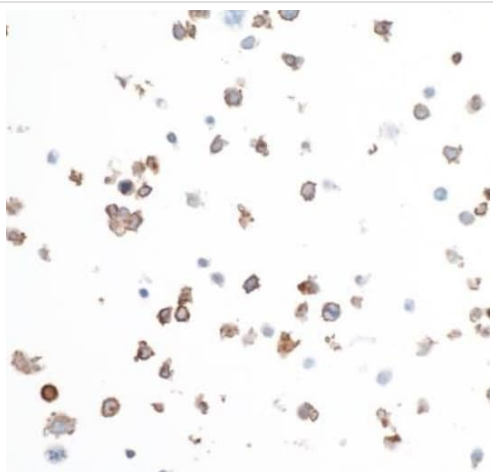
CD37 was immunoprecipitated from HDLM2 (Human cell line) whole cell lysate (1 mg per IP reaction; 20% of IP loaded) prepared using NETN lysis buffer.

ab252559 used for IP at 6 μ l per reaction. For WB 1/1000 dilution.

Lane 1: ab252559 IP in HDLM2 whole cell lysate.

Lane 2: Control IgG IP in HDLM2 whole cell lysate.

Chemiluminescence detection: 30 seconds.



Immunocytochemistry/ Immunofluorescence - Anti-
CD137 antibody [BLR051F] - BSA free (ab252559)

FFPE section of HDLM2 (Human cell line) cells labeling CD37 using ab252559 at a 1/200 dilution in ICC.

Secondary: HRP-conjugated goat anti-rabbit IgG.

Substrate: DAB.

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-CD137 antibody [BLR051F] - BSA free
(ab252559)

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