

Product datasheet

Anti-CD137 antibody [4B4-1] - Low endotoxin, Azide free ab234169

[2 Images](#)

Overview

Product name	Anti-CD137 antibody [4B4-1] - Low endotoxin, Azide free
Description	Mouse monoclonal [4B4-1] to CD137 - Low endotoxin, Azide free
Host species	Mouse
Tested applications	Suitable for: Flow Cyt
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment corresponding to Human CD137. Ectodomain. Database link: Q07011
Positive control	Flow Cytometry: PHA activated PBMC.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</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: 7.40 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Purification notes	Purity is >95% by SDS-PAGE. Endotoxin level is less than 0.01 EU/μg of the protein, as determined by the LAL test.
Clonality	Monoclonal
Clone number	4B4-1

Isotype

IgG1

Applications

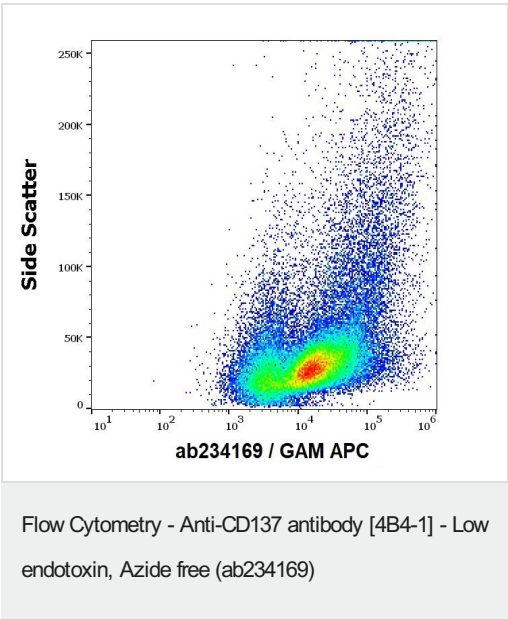
The **Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab234169 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		Use a concentration of 1 - 4 µg/ml.

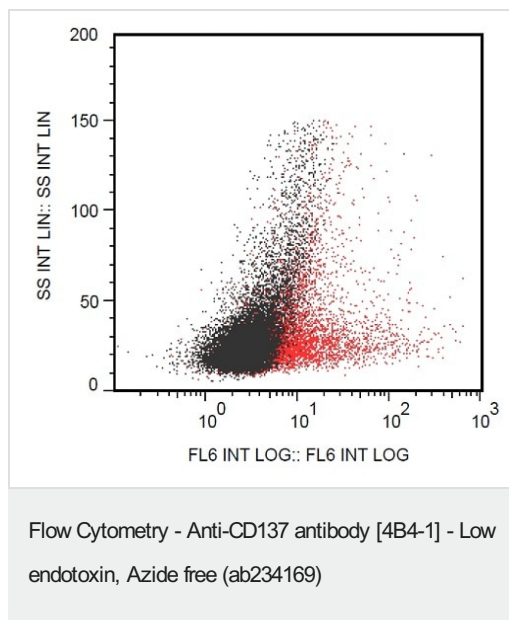
Target

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



Flow cytometry surface staining of human PHA stimulated peripheral blood mononuclear cell suspension labeling CD137 with ab234169 (4 ug/ml) GAM APC.



Surface staining of CD137 in PHA activated PBMC using ab234169. Gated on singlets.

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors