

Product datasheet

Anti-TRAIL antibody [2E5] ab2219

5 References 1 Image

Overview

Product name	Anti-TRAIL antibody [2E5]
Description	Mouse monoclonal [2E5] to TRAIL
Host species	Mouse
Specificity	This antibody is specific for TRAIL, Tumour necrosis factor (TNF) related apoptosis inducing ligand (TRAIL/ APO2-L).
Tested applications	Suitable for: Functional Studies
Species reactivity	Reacts with: Human Does not react with: Mouse
Immunogen	Recombinant soluble fragment, corresponding to amino acids 95-281 of Human TRAIL.
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 or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Preservative: 0.1% Sodium azide Constituent: PBS
Purity	Protein A purified
Purification notes	Purified from TCS.
Clonality	Monoclonal
Clone number	2E5
Myeloma	unknown

Isotype	IgG1
Light chain type	unknown

Applications

The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab2219 in the following tested applications.

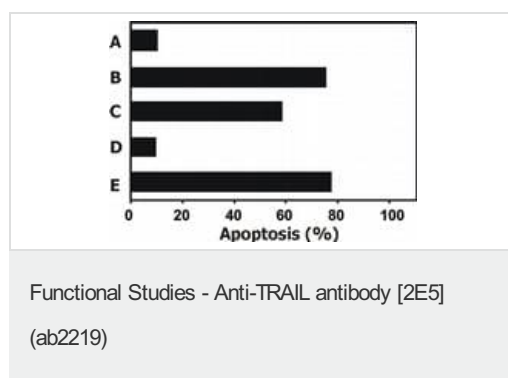
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Functional Studies		Use at an assay dependent concentration. The antibody 2E5 has high neutralizing activity for human TRAIL in biological assays.

Target

Function	Cytokine that binds to TNFRSF10A/TRAILR1, TNFRSF10B/TRAILR2, TNFRSF10C/TRAILR3, TNFRSF10D/TRAILR4 and possibly also to TNFRSF11B/OPG. Induces apoptosis. Its activity may be modulated by binding to the decoy receptors TNFRSF10C/TRAILR3, TNFRSF10D/TRAILR4 and TNFRSF11B/OPG that cannot induce apoptosis.
Tissue specificity	Widespread; most predominant in spleen, lung and prostate.
Sequence similarities	Belongs to the tumor necrosis factor family.
Cellular localization	Membrane.

Images



Apoptosis induced in JURKAT human T cell leukemia cell line by soluble recombinant human TRAIL is completely blocked by anti-human TRAIL (2E5).

The neutralizing activity of the antibody 2E5 has been confirmed with various sources of soluble recombinant human TRAIL.

A - medium

B - recombinant TRAIL

C - recombinant TRAIL + anti-human TRAIL (2E5; 0.06 µg/ml)

D - recombinant TRAIL + anti-human TRAIL (2E5; 0.24 µg/ml)

E - recombinant TRAIL + Isotype mouse IgG1 control

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