

Anti-TRAIL antibody [2E5] ab2219

[6 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

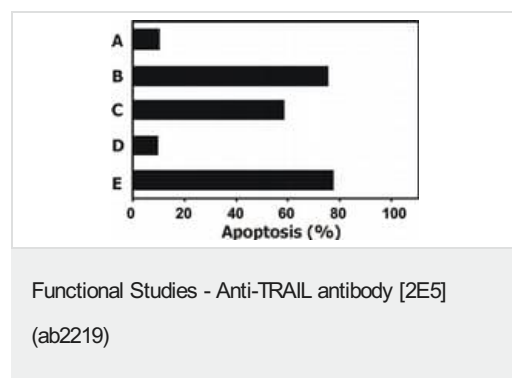
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab2219 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| 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"

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