abcam

Product datasheet

# Anti-TNF Receptor I antibody [55R-170] ab106099

3 References

## Overview

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| **Product name** | Anti-TNF Receptor I antibody [55R-170] |
| **Description** | Armenian Hamster monoclonal [55R-170] to TNF Receptor I |
| **Host species** | Armenian hamster |
| **Tested applications** | **Suitable for:** Flow Cyt |
| **Species reactivity** | **Reacts with:** Mouse |
| **Immunogen** | Purified extracellular domain of Mouse Soluble TNF Receptor I. |
| **General notes** | 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.<br>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 |

## Properties

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| **Form** | Liquid |
| **Storage instructions** | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. |
| **Storage buffer** | Constituents: 0.1% BSA, PBS |
| **Purity** | Protein G purified |
| **Purification notes** | ab106099 is 0.2 µm filtered. |
| **Clonality** | Monoclonal |
| **Clone number** | 55R-170 |
| **Isotype** | IgG1 |

## Applications

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| **The Abpromise guarantee** | Our **Abpromise guarantee** covers the use of ab106099 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 at an assay dependent concentration. |

## Target

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|---|---|
| **Function** | Receptor for TNFSF2/TNF-alpha and homotrimeric TNFSF1/lymphotoxin-alpha. The adapter molecule FADD recruits caspase-8 to the activated receptor. The resulting death-inducing signaling complex (DISC) performs caspase-8 proteolytic activation which initiates the subsequent cascade of caspases (aspartate-specific cysteine proteases) mediating apoptosis. Contributes to the induction of non-cytocidal TNF effects including anti-viral state and activation of the acid sphingomyelinase. |
| **Involvement in disease** | Familial hibernian fever<br>Multiple sclerosis 5 |
| **Sequence similarities** | Contains 1 death domain.<br>Contains 4 TNFR-Cys repeats. |
| **Domain** | The domain that induces A-SMASE is probably identical to the death domain. The N-SMASE activation domain (NSD) is both necessary and sufficient for activation of N-SMASE.<br>Both the cytoplasmic membrane-proximal region and the C-terminal region containing the death domain are involved in the interaction with TRPC4AP. |
| **Post-translational modifications** | The soluble form is produced from the membrane form by proteolytic processing. |
| **Cellular localization** | Cell membrane. Golgi apparatus membrane. Secreted. A secreted form is produced through proteolytic processing and Secreted. Lacks a Golgi-retention motif, is not membrane bound and therefore is secreted. |



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