

## Product datasheet

### PE Anti-TNF Receptor I antibody [H398] ab270654

2 Images

#### Overview

<b>Product name</b>	PE Anti-TNF Receptor I antibody [H398]
<b>Description</b>	PE Mouse monoclonal [H398] to TNF Receptor I
<b>Host species</b>	Mouse
<b>Conjugation</b>	PE. Ex: 488nm, Em: 575nm
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Recombinant full length protein corresponding to Human TNF Receptor I. Database link: <a href="#">P19438</a>
<b>Positive control</b>	Flow: Human peripheral blood and human monocytes.
<b>General notes</b>	<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&amp;As</p>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at +4°C. Store In the Dark.
<b>Storage buffer</b>	pH: 7.4 Preservative: 0.1% Sodium azide Constituent: PBS
<b>Purity</b>	Size exclusion
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	H398
<b>Isotype</b>	IgG2a

#### Applications

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab270654 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 10µl for 10 <sup>6</sup> cells.

## Target

### 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  
Multiple sclerosis 5

### Sequence similarities

Contains 1 death domain.  
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. Both the cytoplasmic membrane-proximal region and the C-terminal region containing the death domain are involved in the interaction with TRPC4AP.

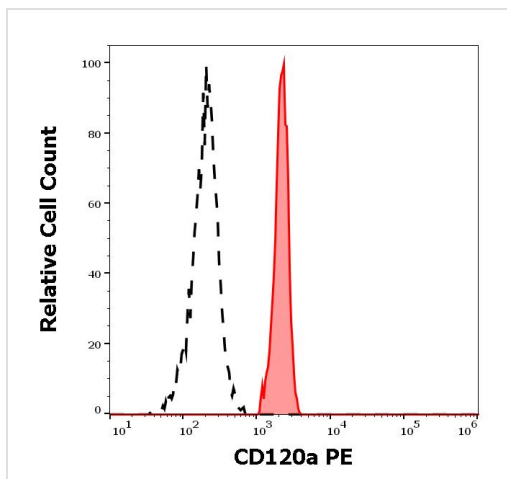
### Post-translational modifications

The soluble form is produced from the membrane form by proteolytic processing.

### Cellular localization

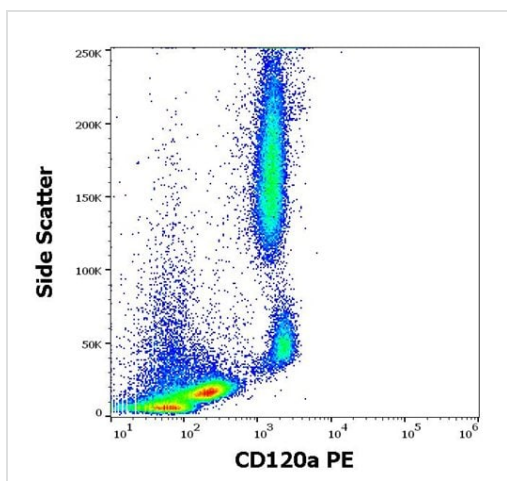
Cell membrane. Golgi apparatus membrane. Secreted. A secreted form is produced through proteolytic processing and Secreted. Lacks a Golgi-retention motif, is not membrane bound and therefore is secreted.

## Images



Flow cytometry analysis of human monocytes (red) and lymphocytes (black) cells labeling CD120a using ab270654. Concentration of 10  $\mu$ l reagent/100 $\mu$ l peripheral whole blood.

Flow Cytometry - PE Anti-TNF Receptor I antibody  
[H398] (ab270654)



Flow cytometric analysis of human peripheral whole blood cells labeling TNF Receptor I using ab270654. The concentration of 10  $\mu$ l reagent/ 100 $\mu$ l of peripheral whole blood.

Flow Cytometry - PE Anti-TNF Receptor I antibody  
[H398] (ab270654)

**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