abcam

Product datasheet

# Anti-TREM2 antibody [6E9] ab125117

1 Abreviews 3 References 1 Image

## Overview

| | |
|---|---|
| **Product name** | Anti-TREM2 antibody [6E9] |
| **Description** | Rat monoclonal [6E9] to TREM2 |
| **Host species** | Rat |
| **Tested applications** | **Suitable for:** Flow Cyt |
| **Species reactivity** | **Reacts with:** Mouse |
| **Immunogen** | Mouse recombinant TREM2 protein. |
| **Positive control** | Flow Cyt: Mouse RAW cells. |
| **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

| | |
|---|---|
| **Form** | Liquid |
| **Storage instructions** | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. |
| **Storage buffer** | Preservative: 0.02% Sodium azide<br>Constituents: 99% PBS, 0.1% BSA |
| **Purity** | Protein G purified |
| **Clonality** | Monoclonal |
| **Clone number** | 6E9 |
| **Isotype** | IgG2b |

## Applications

| | |
|---|---|
| **The Abpromise guarantee** | Our **Abpromise guarantee** covers the use of ab125117 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** | | 1/50. |

## Target

**Function**
May have a role in chronic inflammations and may stimulate production of constitutive rather than inflammatory chemokines and cytokines. Forms a receptor signaling complex with TYROBP and triggers activation of the immune responses in macrophages and dendritic cells.

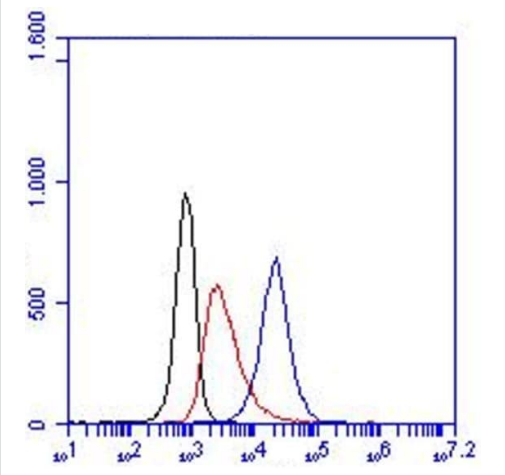
**Tissue specificity**
Expressed on macrophages and dendritic cells but not on granulocytes or monocytes. In the CNS strongest expression seen in the basal ganglia, corpus callosum, medulla oblongata and spinal cord.

**Involvement in disease**
Defects in TREM2 are a cause of polycystic lipomembranous osteodysplasia with sclerosing leukoencephalopathy (PLOSL) [MIM:221770]; also known as presenile dementia with bone cysts or Nasu-Hakola disease (NHD). PLOSL is a recessively inherited disease characterized by a combination of psychotic symptoms rapidly progressing to presenile dementia and bone cysts restricted to wrists and ankles. PLOSL has a global distribution, although most of the patients have been diagnosed in Finland and Japan, with an estimated population prevalence of 2x10(-6) in the Finns.

**Sequence similarities**
Contains 1 Ig-like V-type (immunoglobulin-like) domain.

**Cellular localization**
Secreted and Cell membrane.

## Images




Flow Cytometry - Anti-TREM2 antibody [6E9] (ab125117)

Flow cytometry of Mouse RAW cells labelling TREM2 with ab125117 at 1 µg/250,000 cells. The black line represents cell only and the red line represents the isotype control.

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