

## Product datasheet

# Anti-TREM2 antibody [6E9] ab125117

★★★★★ 1 Abreviews 1 References

### Overview

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<b>Product name</b>	Anti-TREM2 antibody [6E9]
<b>Description</b>	Rat monoclonal [6E9] to TREM2
<b>Host species</b>	Rat
<b>Tested applications</b>	<b>Suitable for:</b> IP, Flow Cyt, ELISA
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse
<b>Immunogen</b>	Mouse recombinant TREM2 protein.
<b>General notes</b>	<p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications &amp; species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.</p> <p>In preparation for this, we have started to update the applications &amp; species that this product is Abpromise guaranteed for.</p> <p>We are also updating the applications &amp; species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.</p> <p>Applications &amp; species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.</p> <p>Please check that this product meets your needs before purchasing. 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, as well as customer reviews and Q&amp;As.</p>

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	Preservative: 0.02% Sodium azide

	Constituents: 99% PBS, 0.1% BSA
<b>Purity</b>	Protein G purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	6E9
<b>Isotype</b>	IgG2b

## Applications

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
IP		Use at an assay dependent concentration.
Flow Cyt		1/50. <a href="#">ab18536</a> - Rat monoclonal IgG2b, is suitable for use as an isotype control with this antibody.
ELISA		Use at an assay dependent concentration.

## Target

<b>Function</b>	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.
<b>Tissue specificity</b>	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.
<b>Involvement in disease</b>	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 <sup>-6</sup> in the Finns.
<b>Sequence similarities</b>	Contains 1 Ig-like V-type (immunoglobulin-like) domain.
<b>Cellular localization</b>	Secreted and Cell membrane.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Replacement or refund for products not performing as stated on the datasheet

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- 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**

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