

Product datasheet

Human TREM2 Antibody Pair - BSA and Azide free  
ab244027

Recombinant RabMAb

1 Image

Overview

<b>Product name</b>	Human TREM2 Antibody Pair - BSA and Azide free
<b>Assay type</b>	ELISA set
<b>Range</b>	78.1 pg/ml - 5000 pg/ml
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Product overview</b>	<p>The Antibody Pair can be used to quantify Human TREM2. BSA and Azide free antibody pairs include unconjugated capture and detector antibodies suitable for sandwich ELISAs. The antibodies are provided at an approximate concentration of 1 mg/ml as measured by the protein A280 method. The recommended antibody orientation is based on internal optimization for ELISA-based assays. Antibody orientation is assay dependent and needs to be optimized for each assay type. Both capture and detector antibodies are rabbit monoclonal antibodies delivering consistent, specific, and sensitive results.</p>

For additional information on the performance of the antibody pair, see the equivalent SimpleStep ELISA® Kit ([ab224881](#)), which uses the same antibodies. However, due to differences in their formulation, this antibody pair cannot be used with the consumables provided with our SimpleStep ELISA Kits. Please note that the range provided for the pairs is only an estimation based on the performance of the related product using the same antibody pair. Performance of the antibody pair will depend on the specific characteristics of your assay. We guarantee the product works in sandwich ELISA, but we do not guarantee the sensitivity or dynamic range of the antibody pair in your assay.

Download SDS [here](#).

<b>Notes</b>	$K_D$ (M)	$k_{on}$ (1/Ms)	$k_{dis}$ (1/s)
	Human TREM2 Capture Antibody	$7.49 \times 10^{-10}$	$1.57 \times 10^4$
	Human TREM2 Detector Antibody	$5.21 \times 10^{-11}$	$1.32 \times 10^6$

**Tested applications** **Suitable for:** Sandwich ELISA

**Platform** Reagents

Properties

**Storage instructions** Store at +4°C. Please refer to protocols.

**Carrier free** Yes

Components	10 x 96 tests
Human TREM2 Capture Antibody (unconjugated)	1 x 100µg
Human TREM2 Detector Antibody (unconjugated)	1 x 100µg

**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 (PLOS) [MIM:221770]; also known as presenile dementia with bone cysts or Nasu-Hakola disease (NHD). PLOS 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. PLOS 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.

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

**Cellular localization** Secreted and Cell membrane.

## Applications

Our [Abpromise guarantee](#) covers the use of **ab244027** 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
Sandwich ELISA		Use at an assay dependent concentration.

## Images

Powered by  
recombinant antibodies



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Sandwich ELISA - Human TREM2 Antibody Pair -  
BSA and Azide free (ab244027)

To learn more about the advantages of recombinant antibodies see [here](#).

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

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