



## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB07922 - Goat Anti-Trem2 (mouse) Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** Trem2, triggering receptor expressed on myeloid cells 2, Trem2a, Trem2b, Trem2c, triggering receptor expressed on myeloid cells 2a, triggering receptor expressed on myeloid cells 2b, triggering receptor expressed on myeloid cells 2c

**Official Symbol:** Trem2

**Accession Number(s):** NP\_112544.1

**Non-Human GeneID(s):** 83433 (mouse), 301227 (rat)

### Immunogen

Peptide with sequence C-QVEHSTSRNQET, from the internal region of the protein sequence according to NP\_112544.1.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:32000.

**Western blot:** Preliminary experiments showed a band at approx 26kDa in Mouse Adrenal gland lysates after 1µg/ml antibody staining (calculated MW of 24.5kDa according to Mouse NP\_112544.1 and 24.9 according to Rat NP\_001100354.1). Primary incubation 1 hour at room temperature.

**Immunofluorescence:** Strong expression of the protein seen in the plasma membranes/ cytoplasm of NIH3T3-L1 (adipocyte like) cells and Raw264.7 cells. Recommended concentration: 10µg/ml.

### Species Reactivity

**Tested:** Mouse

**Expected from sequence similarity:** Mouse

EB07922 Immunofluorescence analysis of paraformaldehyde fixed 3T3-L1 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing membrane/cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).

EB07922 Immunofluorescence analysis of paraformaldehyde fixed RAW264.7 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing membrane and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).