

## Product datasheet for **AM09045PU-N**

### TREM2 Mouse Monoclonal Antibody [Clone ID: 2B5]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	2B5
Applications:	ELISA, WB
Recommended Dilution:	<b>ELISA.</b> <b>Western blot</b> (1/500-1/1,000).
Reactivity:	Human, Mouse
Host:	Mouse
Isotype:	IgG3
Clonality:	Monoclonal
Immunogen:	Recombinant Human TREM2 (19-161 aa) purified from E. coli
Specificity:	The antibody recognizes Human and Mouse TREM2. Other species not tested.
Formulation:	PBS, pH 7.4 containing 0.02% Sodium Azide and 10% Glycerol State: Purified State: Liquid purified IgG fraction
Concentration:	lot specific
Purification:	Protein-G Affinity Chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	triggering receptor expressed on myeloid cells 2
Database Link:	<a href="#">Entrez Gene 54209 Human Q9NZC2</a>



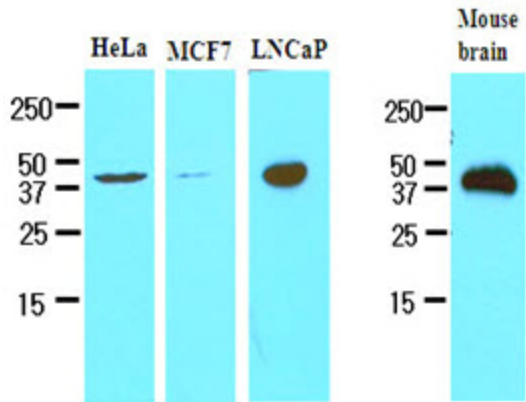
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**Background:**

The triggering receptor expressed on myeloid cells-2 (TREM2) is a membrane protein that interacts with the TYROBP protein. The TREM2 and TYROBP proteins form a complex that transmits chemical signals to activate the cell. This complex is involved in the growth and development of several types of immune cells, particularly dendritic cells and activates these cells, triggering an inflammatory response to injury or disease. And the TYROBP-TREM2 complex also activates cells in the skeletal system and in the brain and spinal cord (central nervous system).

**Synonyms:**

TREM-2, Trem2a, Trem2b, Trem2c

**Product images:**

Western blot analysis: Cell lysates of HeLa, MCF7, LNCaP and mouse brain (30 ug) were resolved by SDS-PAGE, transferred to NC membrane and probed with anti-human TREM2 (1/500). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.