

# Anti-mouse TNFRH3/TNFRSF26 Antibody

## ORDERING INFORMATION

**Catalog Number:** AF5330

**Lot Number:** CBZR01

**Size:** 100 µg

**Formulation:** 0.2 µm filtered solution in PBS with 5% trehalose

**Storage:** -20° C

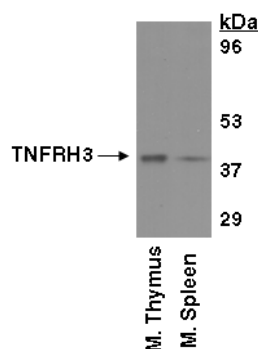
**Reconstitution:** sterile PBS

**Specificity:** mouse TNFRH3 extracellular domain

**Immunogen:** CHO cell-derived rmTNFRH3 extracellular domain

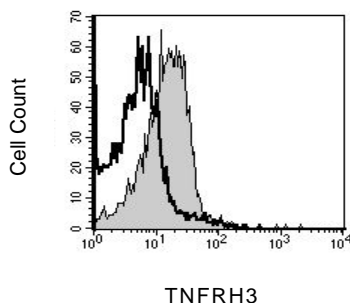
**Ig Type:** sheep IgG

**Applications:** Western blot  
Flow cytometry  
Direct ELISA



### Detection of TNFRH3 with AF5330.

Tissue lysates were resolved by SDS-PAGE, transferred to an Immobilon-P membrane and immunoblotted with 1.0 µg/mL sheep anti-mTNFRH3.



Murine splenocytes were stained with anti-TNFRH3 (R&D Systems, Cat. # AF5330, filled histogram), or control antibody (R&D Systems, Cat. # 5-001-A, open histogram) followed by NL637-conjugated donkey anti-sheep IgG (R&D Systems, Cat. # NL011).

## Background

TNFRH3 (Tumor necrosis factor receptor homolog 3; also TNFR superfamily member 26) is a 21 kDa (predicted) member of the TNF receptor superfamily. It appears to be concentrated in lymphoid cell types. Mature mouse TNFRH3 is a type I transmembrane protein that is 185 amino acid (aa) in length. It contains a 145 aa extracellular region and a 19 aa cytoplasmic domain. The extracellular region contains three TNFR-Cys repeats that characterize TNF receptors (aa 27 - 143). Unlike two related TNF receptor homologs, TNFRH3 does not serve as a TRAIL decoy receptor. No ortholog to mouse TNFRH3 has been reported in human or rat.

## Preparation

Produced in sheep immunized with purified, CHO cell-derived, recombinant mouse extracellular domain TNFRH3 (rmTNFRH3; aa 20 - 162; Accession # P83626). Mouse TNFRH3 specific IgG was purified by mouse TNFRH3 affinity chromatography.

## Formulation

Lyophilized from a 0.2 µm filtered solution in phosphate-buffered saline (PBS) with 5% trehalose.

## Reconstitution

Reconstitute with sterile PBS. If 0.5 mL of PBS is used, the antibody concentration will be 0.2 mg/mL.

## Storage

Lyophilized samples are stable for twelve months from date of receipt when stored at -20° C to -70° C. Upon reconstitution, the antibody can be stored at 2° - 8° C for 1 month without detectable loss of activity. Reconstituted antibody can also be aliquotted and stored frozen at -20° C to -70° C in a manual defrost freezer for six months without detectable loss of activity. **Avoid repeated freeze-thaw cycles.**

## Specificity

This antibody has been selected for its ability to recognize mouse TNFRH3 in the applications listed below. In direct ELISAs, this antibody shows less than 1% cross-reactivity with rmTNF RI and rmTNF RII.

## Applications

**Western blot** - An antibody concentration of 1.0 µg/mL is recommended.

**Flow cytometry** - This antibody was tested for flow cytometry using murine splenocytes (Schneider P. *et al* (2003) J. Biol. Chem. **278**:5444). Dilute this antibody to 25 µg/mL and add 10 µL of the diluted solution to 1 - 2.5 x 10<sup>5</sup> cells in a total reaction volume not exceeding 200 µL. The binding of unlabeled antibodies may be visualized by adding a secondary developing reagent such as anti-sheep IgG conjugated to a fluorochrome.

**Direct ELISA** - This antibody can be used at 0.5 - 1.0 µg/mL with the appropriate secondary reagents to detect mouse TNFRH3. The detection limit for rmTNFRH3 is approximately 0.3 ng/well.

**Optimal dilutions should be determined by each laboratory for each application.**