

## DESCRIPTION

|                           |   |
|---------------------------|---|
| <b>Species Reactivity</b> | Mouse   |
| <b>Specificity</b>        | Detects mouse TNFRH3/TNFRSF26 in direct ELISAs and Western blots. In direct ELISAs, less than 1% cross-reactivity with recombinant mouse (rm) TNF RI and rmTNF RII is observed.                               |
| <b>Source</b>             | Polyclonal Sheep IgG  |
| <b>Purification</b>       | Antigen Affinity-purified   |
| <b>Immunogen</b>          | Chinese hamster ovary cell line CHO-derived recombinant mouse TNFRH3/TNFRSF26<br>Ser20-Lys162<br>Accession # P83626   |
| <b>Formulation</b>        | Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details.<br>*Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS. |

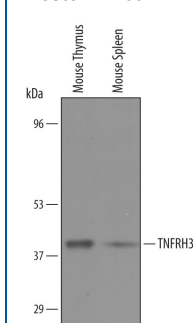
## APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

|                       | <b>Recommended Concentration</b>   | <b>Sample</b> |
|-----------------------|--|---------------|
| <b>Western Blot</b>   | 1 µg/mL  | See Below     |
| <b>Flow Cytometry</b> | 0.25 µg/10 <sup>6</sup> cells  | See Below     |
| <b>CyTOF-ready</b>    | Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation. |               |

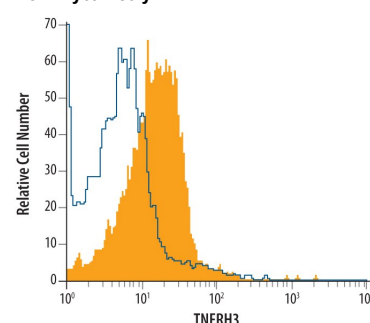
## DATA

### Western Blot



**Detection of Mouse TNFRH3/TNFRSF26 by Western Blot.** Western blot shows lysates of mouse thymus tissue and mouse spleen tissue. PVDF membrane was probed with 1 µg/mL of Sheep Anti-Mouse TNFRH3/TNFRSF26 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF5330) followed by HRP-conjugated Anti-Sheep IgG Secondary Antibody (Catalog # HAF016). A specific band was detected for TNFRH3/TNFRSF26 at approximately 39 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 8.

### Flow Cytometry



**Detection of TNFRH3/TNFRSF26 in Mouse Splenocytes by Flow Cytometry.** Mouse splenocytes were stained with Sheep Anti-Mouse TNFRH3/TNFRSF26 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF5330, filled histogram) or isotype control antibody (Catalog # 5-001-A, open histogram), followed by NorthernLights™ 637-conjugated Anti-Sheep IgG Secondary Antibody (Catalog # NL011).

## PREPARATION AND STORAGE

|                                |  |
|--------------------------------|--|
| <b>Reconstitution</b>          | Reconstitute at 0.2 mg/mL in sterile PBS.  |
| <b>Shipping</b>                | The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.<br>*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C   |
| <b>Stability &amp; Storage</b> | <b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>• 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>• 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>• 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul> |

## 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.