

## DESCRIPTION

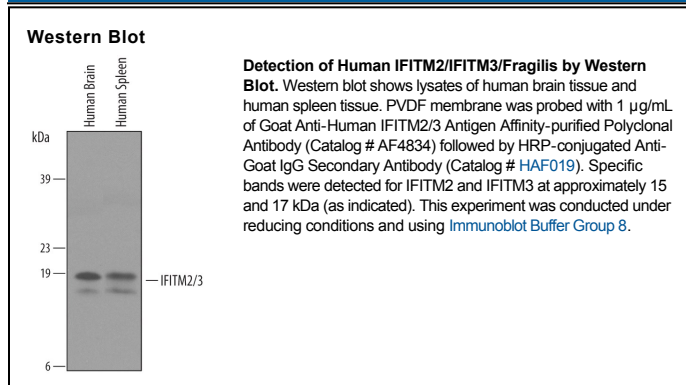
|                           |   |
|---------------------------|---|
| <b>Species Reactivity</b> | Human   |
| <b>Specificity</b>        | Detects human IFITM2 and human IFITM3 in direct ELISAs and Western blots. In direct ELISAs, less than 4% cross-reactivity with recombinant human IFITM1 is observed.                    |
| <b>Source</b>             | Polyclonal Goat IgG   |
| <b>Purification</b>       | Antigen Affinity-purified   |
| <b>Immunogen</b>          | <i>E. coli</i> -derived human IFITM3<br>His3-His57<br>Accession # Q01628  |
| <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 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.

|                     | Recommended Concentration | Sample    |
|---------------------|---------------------------|-----------|
| <b>Western Blot</b> | 1 µg/mL                   | See Below |

## DATA



## 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

IFITM3 (IFN-inducible transmembrane protein 3; also IFN-inducible protein 1-8U and fragilis) is a 14.6 kDa (predicted) member of the CD225 family of proteins. It is expressed on primordial germ cells and select tumor types, and appears to regulate cell migration. Human IFITM3 is a 133 amino acid (aa), two-transmembrane protein that contains an N-terminal (aa 1-57) and a C-terminal (aa 108-128) extracellular domain. Over aa 3-57, human IFITM3 is 59% and 56% aa identical to bovine and mouse IFITM3, respectively. Over aa 3-57 human IFITM3 is 88% identical to human IFITM2.