

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse IFITM3/Fragilis in direct ELISAs and Western blots. In direct ELISAs, approximately 50% cross-reactivity with recombinant human IFITM3 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant mouse IFITM3/Fragilis Asn2-His57 Accession # Q9CQW9
Conjugate	Alexa Fluor 532 Excitation Wavelength: 534 nm Emission Wavelength: 553 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Mouse IFITM3/CD225 (also Fragilis) is a 137 amino acids (aa) 2-transmembrane protein that belongs to the Fragilis family of interferon-inducible genes. It contains two terminal extracellular domains (aa 1-57 and 131-137) and one cytoplasmic region that potentially allows for multiple phosphorylations. The N-terminal extracellular region of mouse IFITM3 shares 54%, 91%, and 58% amino acid sequence identity to the equivalent region in bovine, rat and human IFITM3, respectively. IFITM3 seems to be involved in primordial germ cell clustering and regionalization.

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