

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human IFITM1 in direct ELISAs and Western blots. In direct ELISAs and Western blots, approximately 40% cross-reactivity with recombinant human (rh) IFITM2 and rhIFITM3 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human IFITM1 Met1-His36 Accession # NP_003632
Conjugate	Alexa Fluor 750 Excitation Wavelength: 749 nm Emission Wavelength: 775 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.
Immunocytochemistry	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

IFITM1 (Interferon inducible transmembrane protein 1; also Leu13, CD225 and "9-27") is a 17 kDa member of the CD225 family of proteins. It is inducible in multiple cell types by both type I and II interferons, and although reported to occur on the cell surface, is apparently concentrated in the ER. Homotypic IFITM1 interactions promote p53 antiproliferative activity by blocking p53 phosphorylation on Thr55. Human IFITM1 is a 2-transmembrane protein 125 amino acids (aa) in length. The topology of the molecule is unclear, but transmembrane segments are reported between aa 37-57 and 87-107. Over aa 1-36, human IFITM1 shares only 47% aa identity with mouse IFITM1.

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