

Rabbit Anti-IFITM1/AP Conjugated antibody

SL1031R-AP

Product Name	Anti-IFITM1/AP
Chinese Name	碱性磷酸酶（AP）标记的 Interferon 诱导 Transmembrane protein1 抗体 CD225; CD225 antigen; CD 225; CD-225; IFI17; Interferon induced protein 17; Interferon induced transmembrane protein 1; Interferon inducible protein 9-27; Interferon-induced protein 17; Interferon-induced transmembrane protein 1; Interferon-inducible protein 9-27; Leu 13 antigen; Leu-13 antigen; LEU13; IFM1_HUMAN; Dispanin subfamily A member 2a; DSPA2a.
Alias	
Research Area	Tumour immunology
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human(predicted:Mouse,Rat) ELISA=1:5000-10000
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	11.7kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human IFITM1
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Storage	
Product Detail	background: IFITM1 expression is induced by interferons alpha and gamma and it is thought to play a role in control of cell growth. It is upregulated in several tumor types and may be useful as a tumor biomarker.

Function:

IFN-induced antiviral protein that mediate cellular innate immunity to at least three major human pathogens, namely influenza A H1N1 virus, West Nile virus, and dengue virus by inhibiting the early step(s) of replication. Plays a key role in the antiproliferative action of IFN-gamma either by inhibiting the ERK activation or by arresting cell growth in G1 phase in a p53-dependent manner. Implicated in the control of cell growth. Component of a multimeric complex involved in the transduction of antiproliferative and homotypic adhesion signals.

Subunit:

Interacts with CAV1; this interaction enhances the ability of CAV1 in inhibiting ERK activation.

Subcellular Location:

Cell membrane; Multi-pass membrane protein.

Post-translational modifications:

Palmitoylation on membrane-proximal cysteines controls clustering in membrane compartments and antiviral activity against influenza virus.

Similarity:

Belongs to the CD225 family.

Database links:

[Entrez Gene: 8519](#) Human

[Entrez Gene: 68713](#) Mouse

[Entrez Gene: 293618](#) Rat

[Omim: 604456](#) Human

[SwissProt: P13164](#) Human

[SwissProt: Q9D103](#) Mouse

[Unigene: 458414](#) Human

[Unigene: 175661](#) Mouse

[Unigene: 22087](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

IFITM1 蛋白是蛋白复合物的组分之一,主要功能是参与同型粘附和抗增殖信号的转导,与细胞增殖、Tumour 分化、抗病毒、免疫监视等有关。IFITM-1 主要用于消化系统 Tumour 方面的研究,有学者认为: Interferon 诱导 Transmembrane protein1 与 Interferon 结合,可以抑制 Tumour 细胞的分化和增值。