

Datasheet for ABIN7156688

anti-IFITM3 antibody (AA 1-57) (Biotin)



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Overview

Quantity:	100 µg
Target:	IFITM3
Binding Specificity:	AA 1-57
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IFITM3 antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Interferon-induced transmembrane protein 3 protein (1-57AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	IFITM3
Alternative Name:	IFITM3 (IFITM3 Products)
Background:	Background: IFN-induced antiviral protein which disrupts intracellular cholesterol homeostasis. Inhibits the entry of viruses to the host cell cytoplasm by preventing viral fusion with cholesterol

Target Details

depleted endosomes. May inactivate new enveloped viruses which buds out of the infected cell, by letting them go out with a cholesterol depleted membrane. Active against multiple viruses, including influenza A virus, SARS coronavirus (SARS-CoV), Marburg virus (MARV) and Ebola virus (EBOV), Dengue virus (DNV), West Nile virus (WNV), human immunodeficiency virus type 1 (HIV-1) and vesicular stomatitis virus (VSV). Can inhibit: influenza virus hemagglutinin protein-mediated viral entry, MARV and EBOV GP1,2-mediated viral entry, SARS-CoV S protein-mediated viral entry and VSV G protein-mediated viral entry. Plays a critical role in the structural stability and function of vacuolar ATPase (v-ATPase). Establishes physical contact with the v-ATPase of endosomes which is critical for proper clathrin localization and is also required for the function of the v-ATPase to lower the pH in phagocytic endosomes thus establishing an antiviral state. Aliases: 1 8U antibody, Fragilis antibody, IFITM3 antibody, IFM3_HUMAN antibody, Interferon induced transmembrane protein 3 (1 8U) antibody, Interferon Induced Transmembrane Protein 3 antibody, Interferon inducible antibody, Interferon inducible protein 1 8U antibody, Interferon Inducible Protein 15 antibody, Interferon Inducible Protein Homolog antibody, Interferon-induced transmembrane protein 3 antibody, Interferon-inducible protein 1-8U antibody, IP15 antibody

UniProt: [Q01628](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.