



## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB05965 - Goat Anti-MDA5 / IFIH1 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** IFIH1, MDA5, MDA-5, Hlcd, MGC133047, IDDM19, melanoma differentiation associated protein-5, DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide, interferon induced with helicase C domain 1, helicard

**Official Symbol:** IFIH1

**Accession Number(s):** NP\_071451.2

**Human GeneID(s):** [64135](#)

### Immunogen

Peptide with sequence SNGYSTDENFRYL-C, from the N Terminus of the protein sequence according to NP\_071451.2.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:32000.

**Western blot:** This antibody has been successfully used in Western blot on African Green Monkey: Sato S et al, Arthritis Rheum. 2009 Jul;60(7):2193-200. PMID: 19565506.

**IHC:** In paraffin embedded Human Pancreas, shows strong cytoplasmic staining of some cells in the islets of Langerhans. Recommended concentration: 10ug/ml.

**Flow Cytometry:** Flow cytometric analysis of K562 cells. Recommended concentration: 10ug/ml.

### Species Reactivity

**Tested:** Human, Monkey

**Expected from sequence similarity:** Human

### Specific Reference

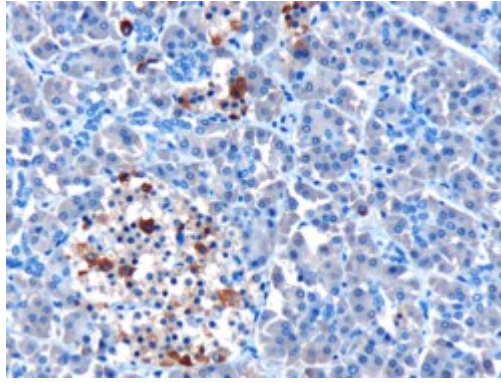
**This antibody has been successfully used in Western blot on African Green Monkey:**

Sato S, Hoshino K, Satoh T, Fujita T, Kawakami Y, Fujita T, Kuwana M.

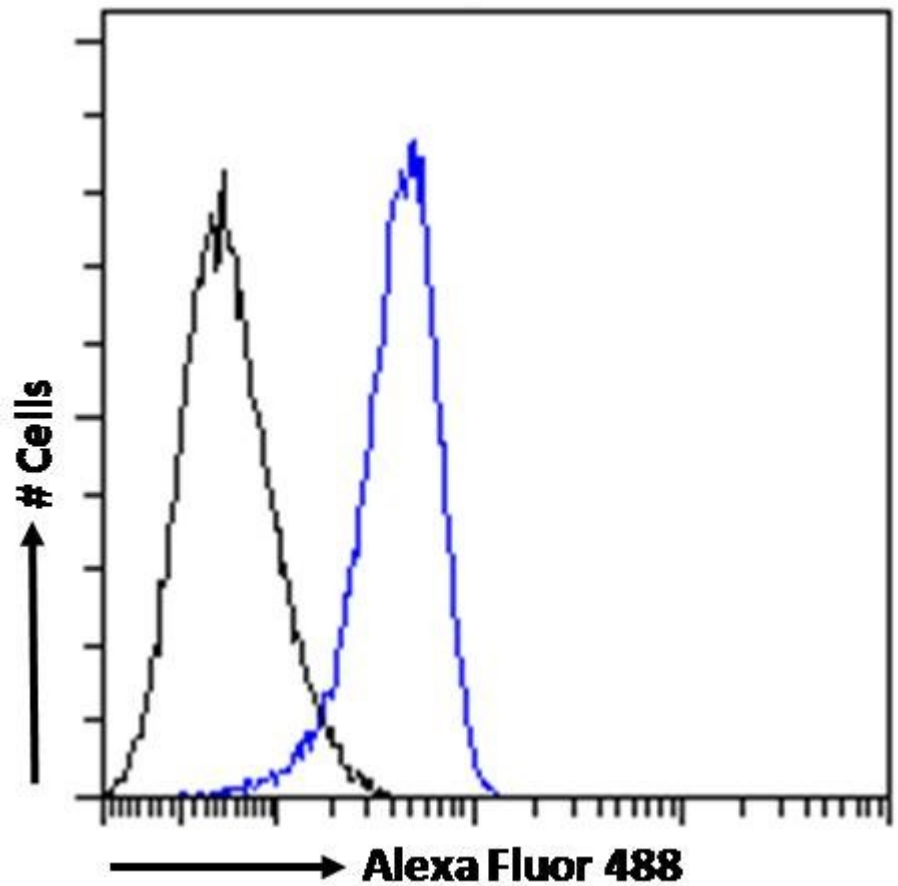
RNA helicase encoded by melanoma differentiation-associated gene 5 is a major autoantigen in patients with clinically amyopathic dermatomyositis: Association with rapidly progressive interstitial lung disease.

Arthritis Rheum. 2009 Jul;60(7):2193-200.

PMID: 19565506



EB05965 (10 $\mu$ g/ml) staining of paraffin embedded Human Pancreas. Microwaved antigen retrieval with Tris/EDTA buffer pH9, HRP-staining.



EB05965 Flow cytometric analysis of paraformaldehyde fixed K562 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10 $\mu$ g/ml) followed by Alexa Fluor 488 secondary antibody (1 $\mu$ g/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.