

Human ISG15/UCRP Antibody

Antigen Affinity-purified Polyclonal Goat IgG Catalog Number: AF4845

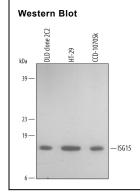
DESCRIPTION			
Species Reactivity	Human		
Specificity	Detects endogenous human ISG15 in Western blots.		
Source	Polyclonal Goat IgG		
Purification	Antigen Affinity-purified		
Immunogen	E. coli-derived recombinant human ISG15 Gly2-Gly157 Accession # ABW03539		
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.		

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.

	Recommended Concentration	Sample
Western Blot	1 μg/mL	See Below

DATA



Detection of Human ISG15/UCRP by Western Blot. Western blot shows lysates of DLD-1 clone 2C2 human colon adenocarcinoma cell line, HT-29 human colon adenocarcinoma cell line, and CCD-10705k human foreskin fibroblast cell line. PVDF membrane was probed with 1 µg/mL of Human ISG15/UCRP Antigen Affinity-purified Polyclonal Antibody (Catalog # AF4845) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF109). A specific band was detected for ISG15/UCRP at approximately 15 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 2.

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Reconstitution Reconstitute at 0.2 mg/mL in sterile PBS.

ShippingThe product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C

Stability & Storage Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

ISG15 (interferon-induced 15 kDa protein; also IP17) is a 15 kDa ubiquitin family protein that is expressed by a wide variety of cell types. ISG15 is induced by type I IFN, and like ubiquitin, becomes conjugated to intracellular proteins. Unlike ubiquitin, it does not target proteins for degradation, instead, it is part of the anti-virus response. Human proISG15 is 165 amino acids (aa) in length. There are two ubiquitin-like domains (aa 2-78 and 79-157) and a propeptide (aa 15-165) that is cleaved intracellularly. Select blood mononuclear cells secrete mature ISG15, which is chemotactic for neutrophils. Mature human ISG15 is 66% aa identical to mouse ISG15.

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