International Office

Everest Biotech Ltd
Vector Laboratories, Inc.
6737 Mowry Ave
Newark, CA 94560
United States

Customer Service:
customerservice@vectorlabs.com
Technical Service:
technical@vectorlabs.com

Tel: +1 (800) 227-6666

www.everestbiotech.com

EB09393 - Goat Anti-IL18 Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: IL18, interleukin 18 (interferon-gamma-inducing factor), IGIF, IL-18, IL-1g, IL1F4, MGC12320, IL-1 gamma, interferon-gamma-inducing factor, interleukin 18, interleukin-1 gamma, interleukin-18
Official Symbol: IL18
Accession Number(s): NP_001553.1; NP_001230140.1
Human GeneID(s): 3606
Non-Human GeneID(s): 29197 (rat)
Important Comments: This antibody is expected to recognise both reported isoforms (NP_001553.1; NP_001230140.1).

Immunogen

Peptide with sequence C-NPPDNIKDTKSDI, from the internal region of the protein sequence according to NP_001553.1; NP_001230140.1.

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

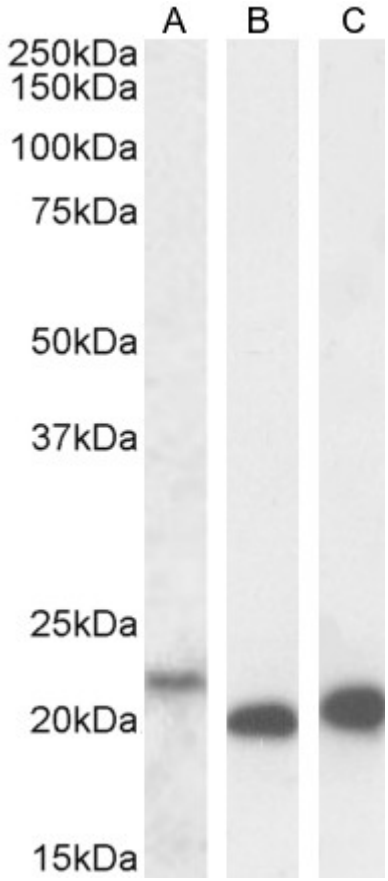
Peptide ELISA: antibody detection limit dilution 1:32000.
Western blot: Approx 23kDa band observed in lysates of cell line HeLa and approx. 21-22kDa band in lysates of cell lines A431 and U2OS (calculated MW of 22.3kDa according to NP_001553.1). Recommended concentration: 1-3µg/ml. Primary incubation 1 hour at room temperature.

Immunofluorescence: Strong expression of the protein seen in the golgi and cytoplasm of A431and U2OS cells. Recommended concentration: 10µg/ml.

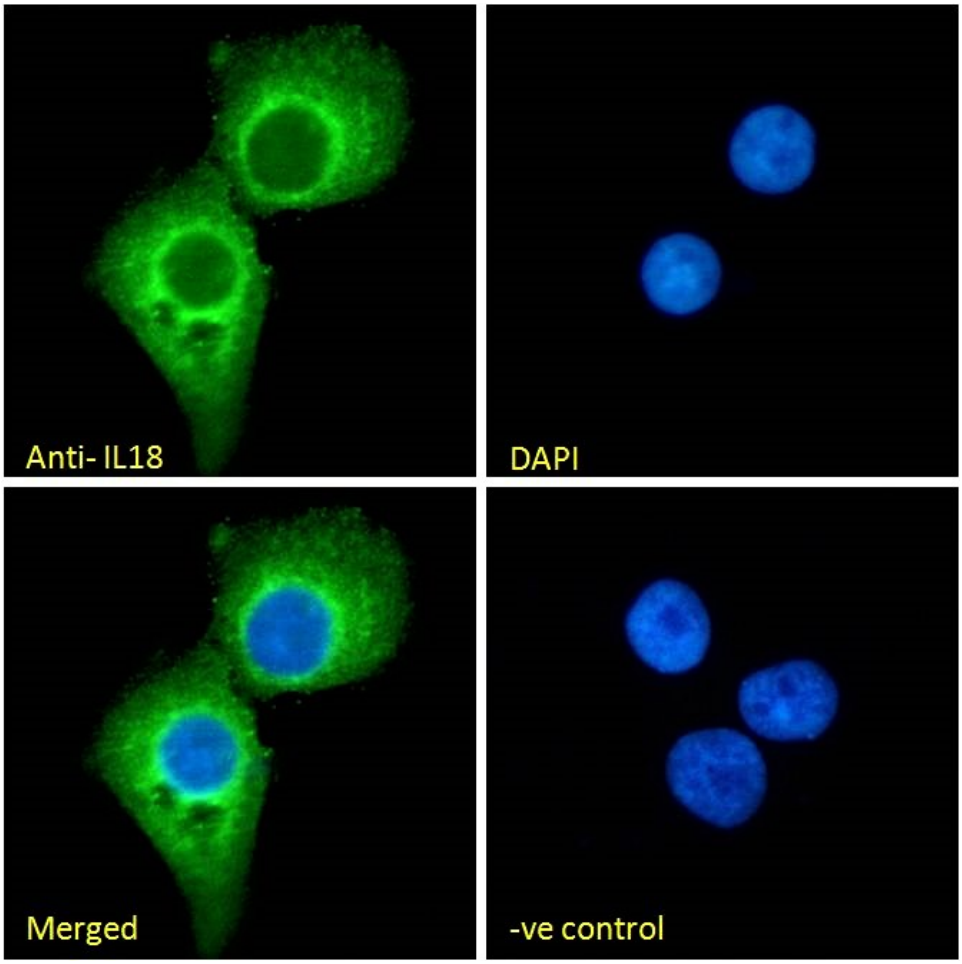
Flow Cytometry: Flow cytometric analysis of A431 cells. Recommended concentration: 10ug/ml.

Species Reactivity

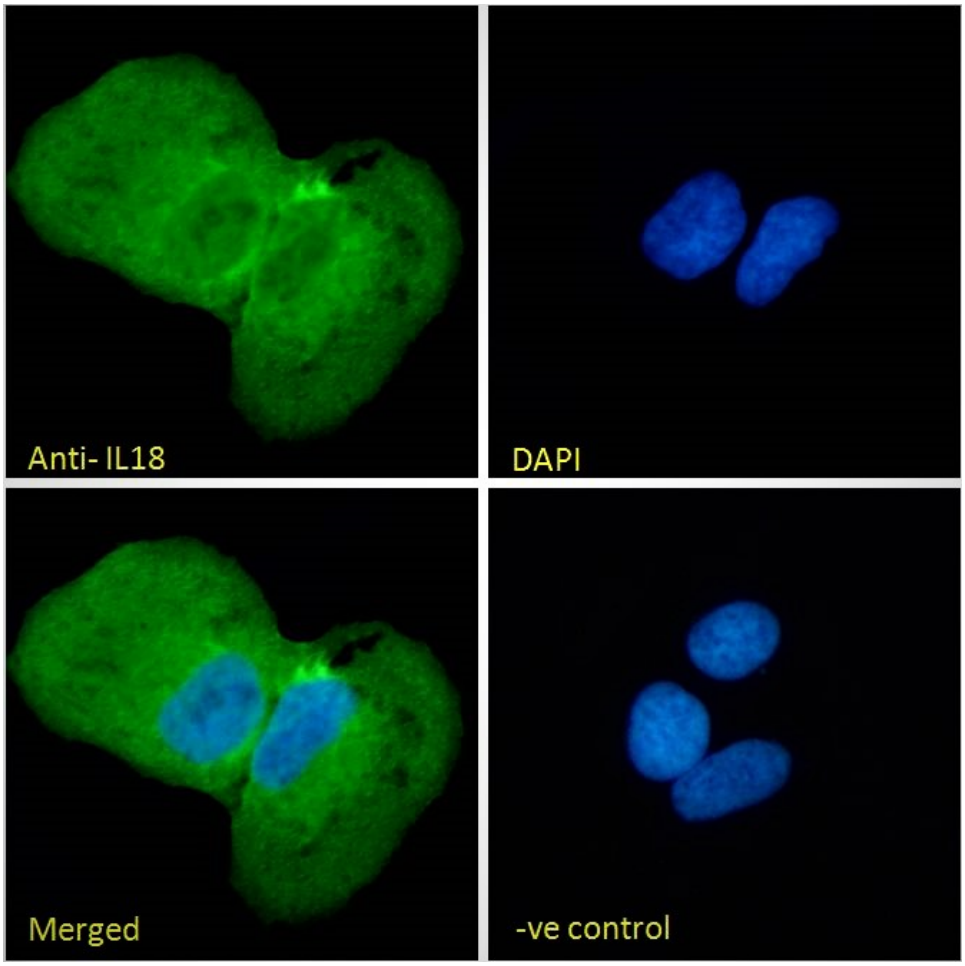
Tested: Human
Expected from sequence similarity: Human



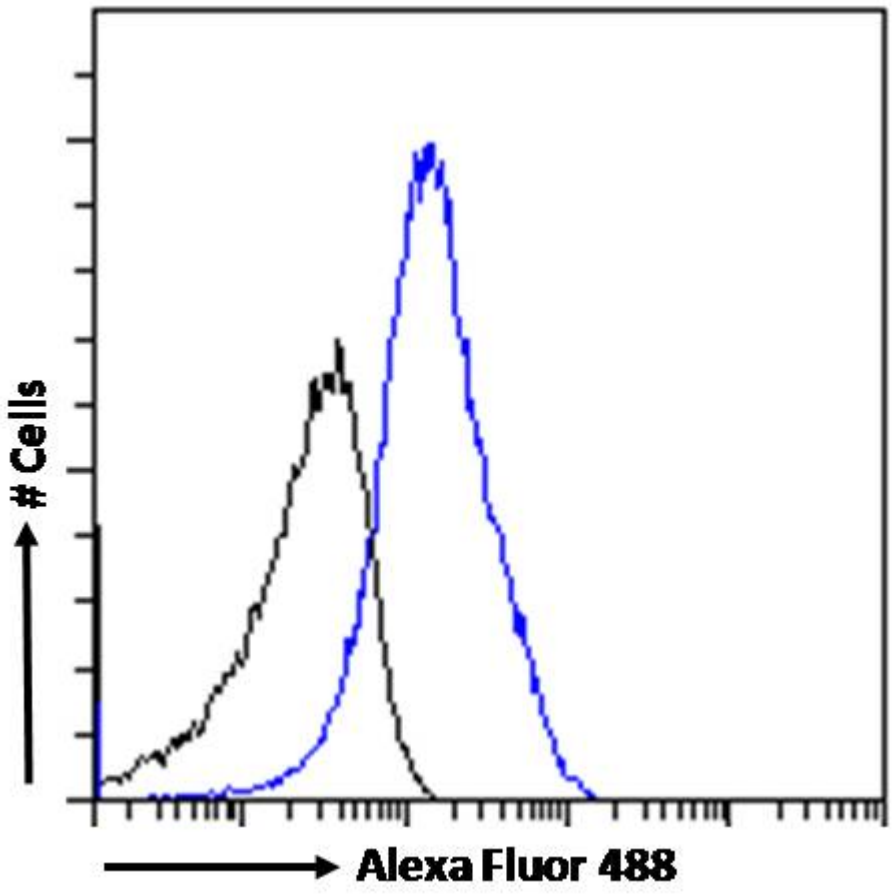
EB09393 (0.1µg/ml) staining of HeLa (A), (2ug/ml) A431 (B) and US0S (C) cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



EB09393 Immunofluorescence analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing Golgi and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB09393 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing Golgi and cytoplasmic and nuclear staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB09393 Flow cytometric analysis of paraformaldehyde fixed A431 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.