



## UK Office

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

## 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.

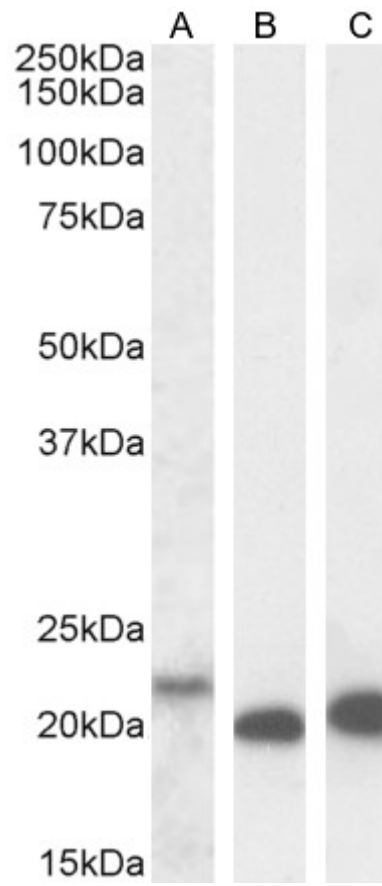
**Immunofluorescence:** Strong expression of the protein seen in the golgi and cytoplasm of A431 and U2OS cells. Recommended concentration: 10µg/ml.

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

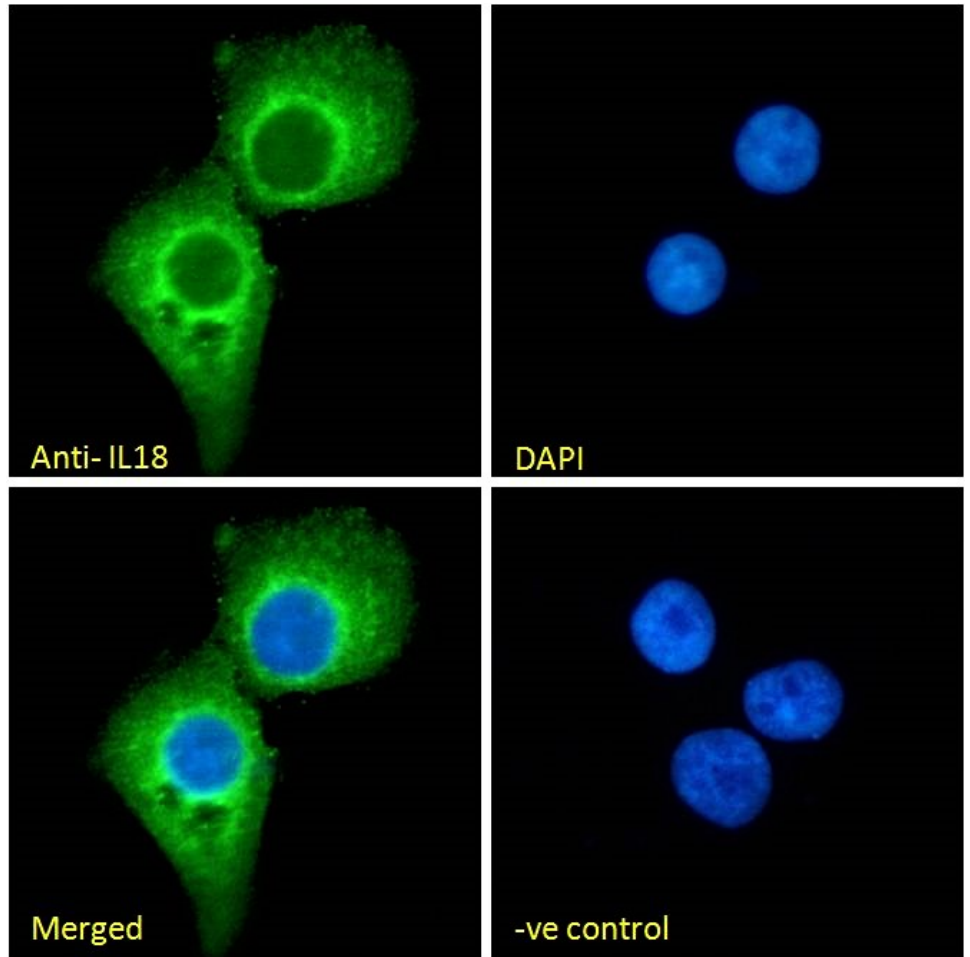
### Species Reactivity

**Tested:** Human

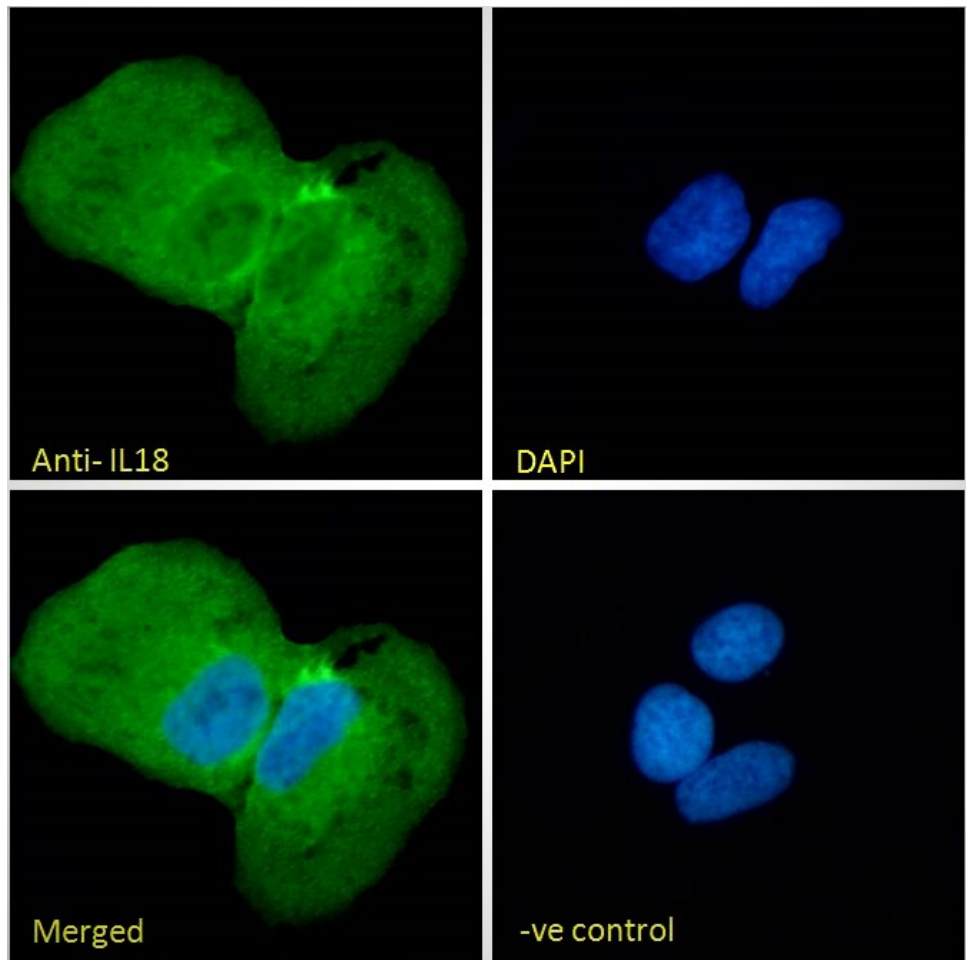
**Expected from sequence similarity:** Human



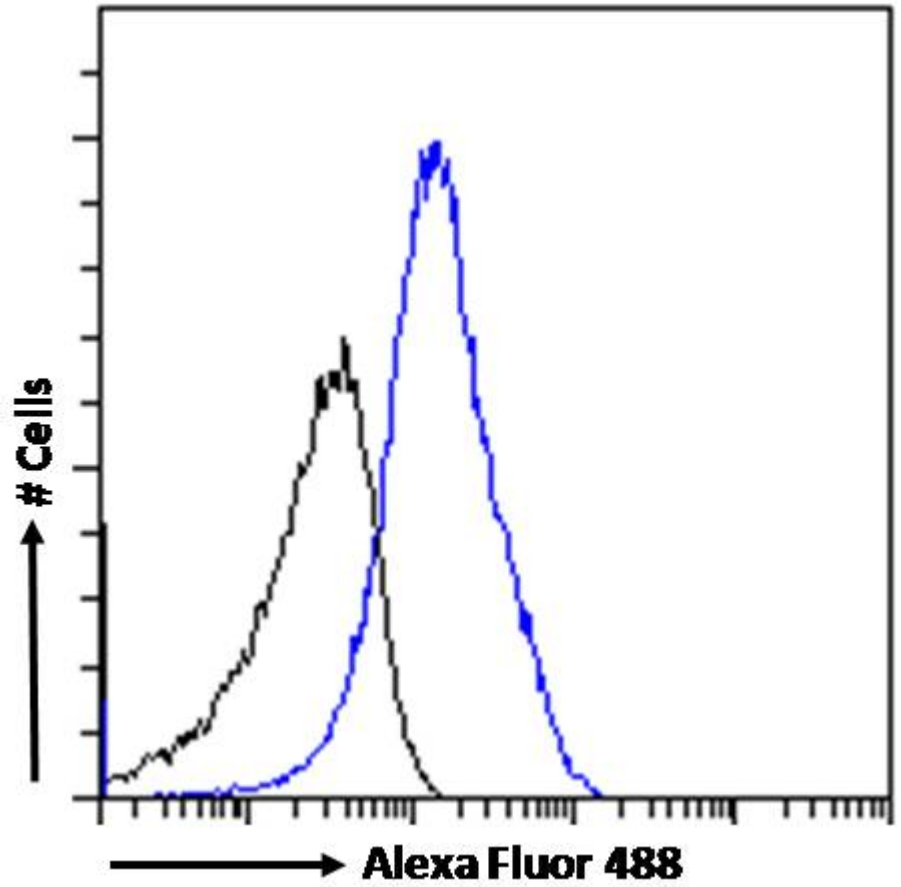
EB09393 (0.1 $\mu$ g/ml) staining of HeLa (A), (2 $\mu$ g/ml) A431 (B) and US0S (C) cell lysate (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.



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.