



## International Office

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

## EB11331 - Goat Anti-IRF4 (aa393-407) Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** interferon regulatory factor 4, LSIRF, multiple myeloma oncogene 1, MUM1, IRF4

**Official Symbol:** IRF4

**Accession Number(s):** NP\_002451.2; NP\_001182215.1

**Human GeneID(s):** [3662](#)

**Non-Human GeneID(s):** 16364 (mouse), 291100 (rat)

**Important Comments:** This antibody is expected to recognize both reported isoforms (

### Immunogen

Peptide with sequence C-DPQRQRKLITAHVEP, from the internal region (near C Terminus) of the protein sequence according to NP\_002451.2; NP\_001182215.1.

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 1:16000.

**Western blot:** Approx 55kDa band observed in Human Spleen and approx 52kDa in Rat Spleen lysates (calculated MW of 51.8kDa according to Human NP\_002451.2 and 51.6kDa according to Human NP\_001182215.1 and Rat NP\_001099578.1).

Recommended concentration: 0.1-0.3ug/ml. Primary incubation 1 hour at room temperature.

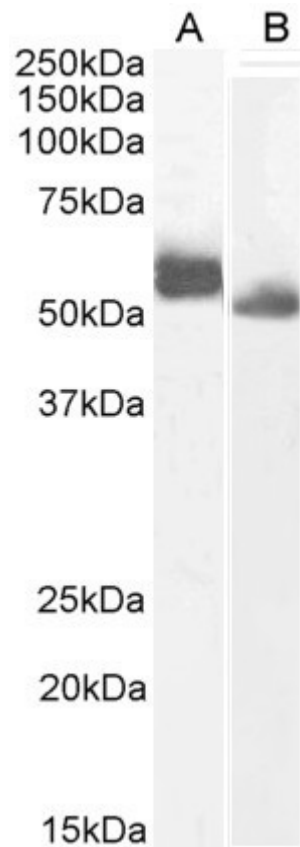
**IHC:** Paraffin embedded Human Spleen. Recommended concentration: 5µg/ml.

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

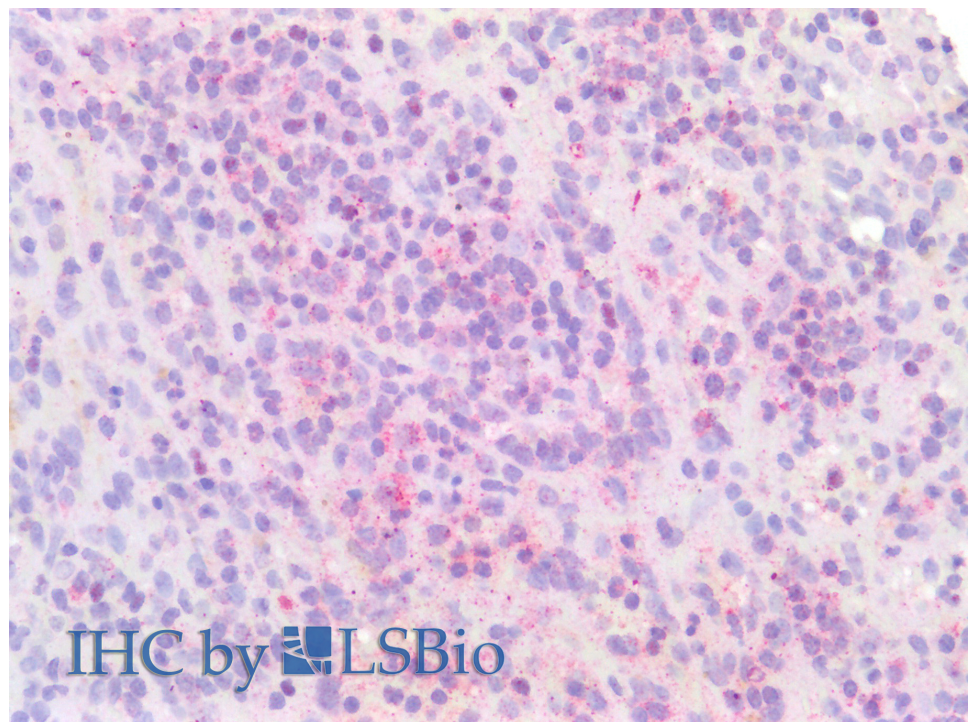
### Species Reactivity

**Tested:** Human, Rat

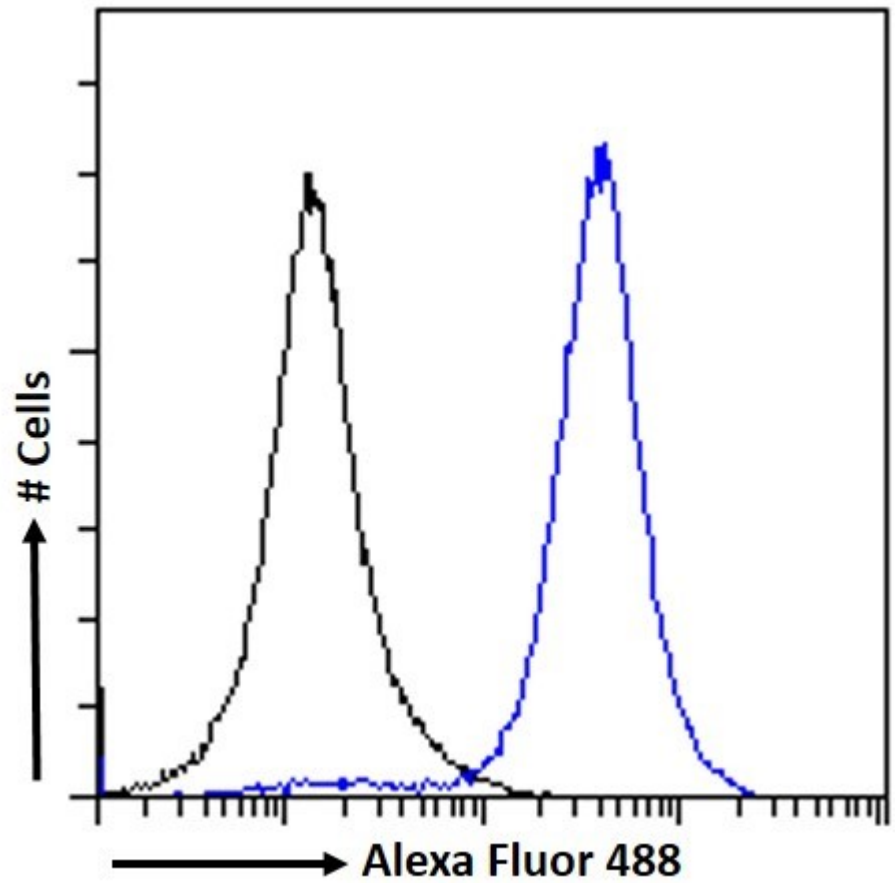
**Expected from sequence similarity:** Human, Mouse, Rat, Dog, Cow



EB11331 (0.3 $\mu$ g/ml) staining of Human (A) and (0.1 $\mu$ g/ml) Rat (B) Spleen lysate (35 $\mu$ g protein in RIPA buffer).



EB11331 (5 $\mu$ g/ml) staining of paraffin embedded Human Spleen. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB11331 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.