



## UK Office

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

## EB09441 - Goat Anti-TLR4 / CD284 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** TLR4, toll-like receptor 4, ARMD10, CD284, TOLL, hToll, OTTHUMP00000022807, homolog of Drosophila toll

**Official Symbol:** TLR4

**Accession Number(s):** NP\_612564.1

**Human GeneID(s):** [7099](#)

**Non-Human GeneID(s):** 21898 (mouse), 29260 (rat)

### Immunogen

Peptide with sequence C-YSSQDEDWVRNE, from the Internal region of the protein sequence according to NP\_612564.1.

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.

**IHC:** Paraffin embedded Human Spleen. Recommended concentration: 5-6µg/ml.

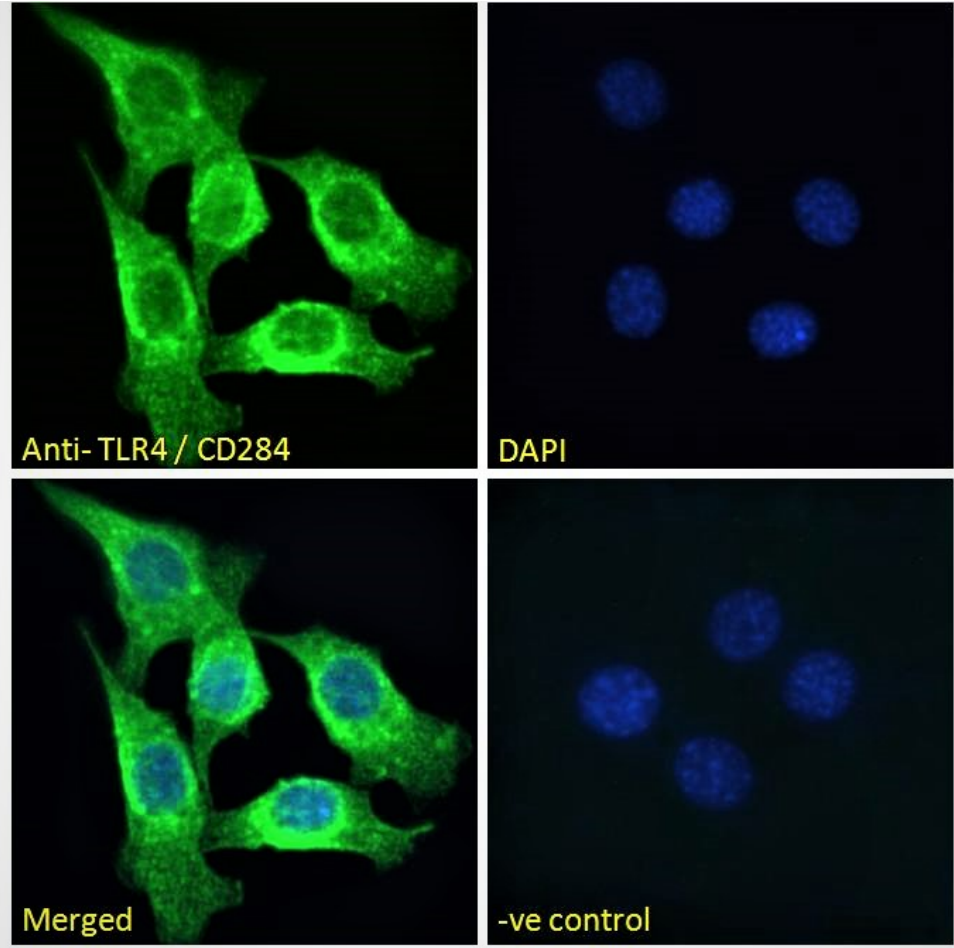
**Immunofluorescence:** Strong expression of the protein seen in the cytoplasm of NIH3T3 cells and membrane and cytoplasm of THP-1 cells. Recommended concentration: 10µg/ml

**Flow Cytometry:** Flow cytometric analysis of U937 cells. Recommended concentration: 10ug/ml.

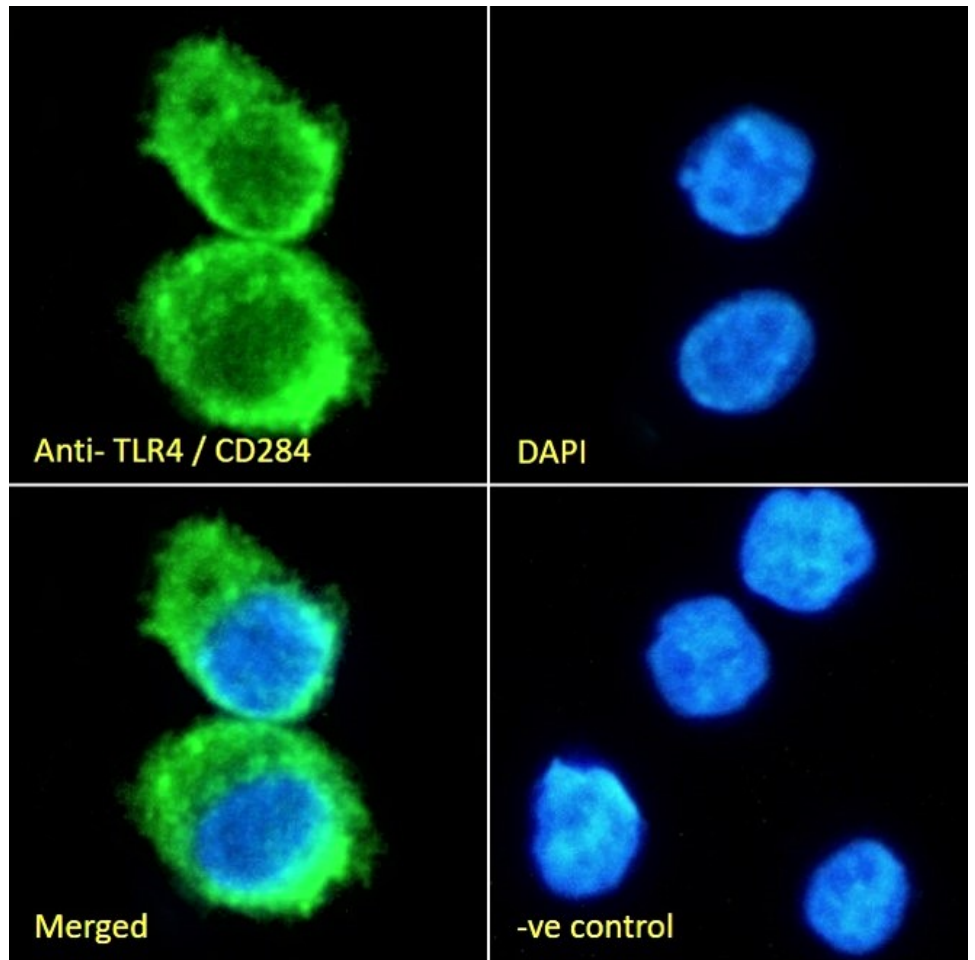
### Species Reactivity

**Tested:** Human, Mouse

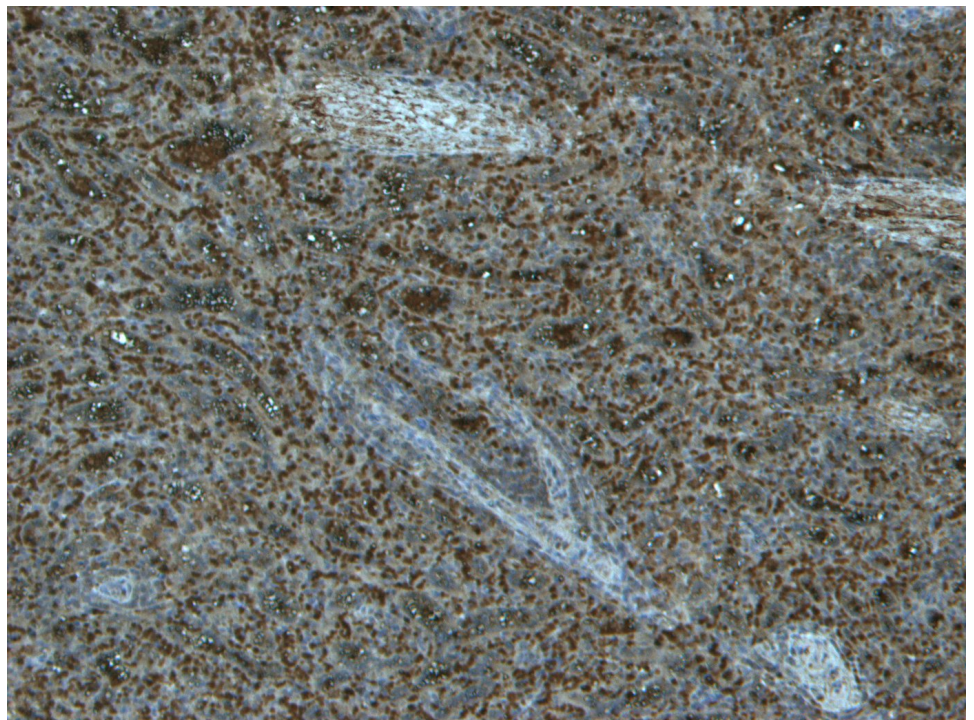
**Expected from sequence similarity:** Human, Mouse, Rat



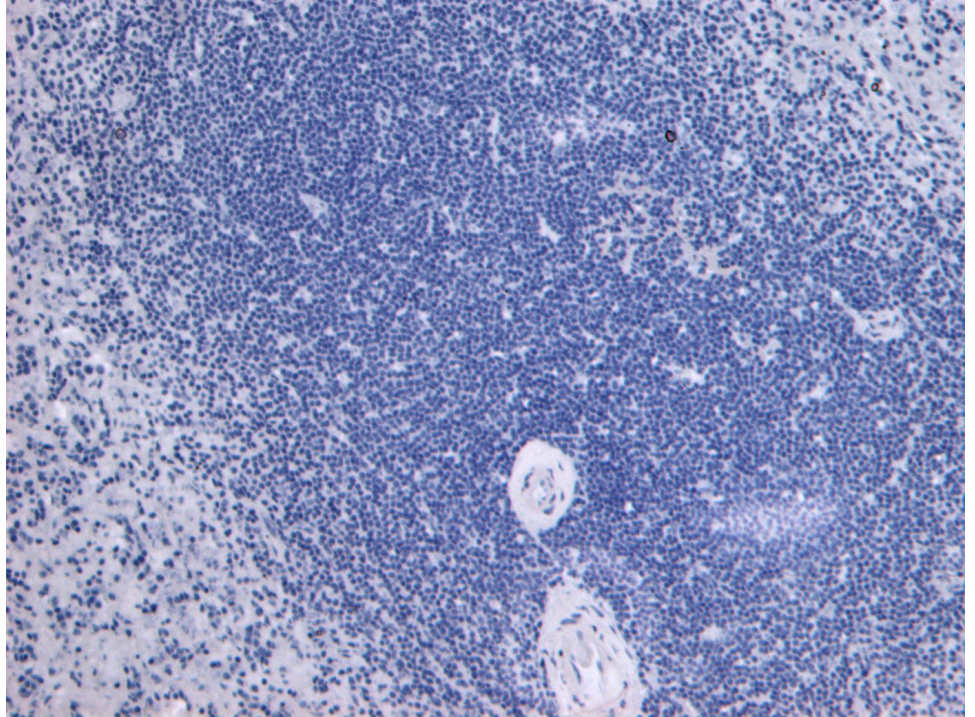
EB09441 Immunofluorescence analysis of paraformaldehyde fixed NIH3T3 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing Golgi/ER and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



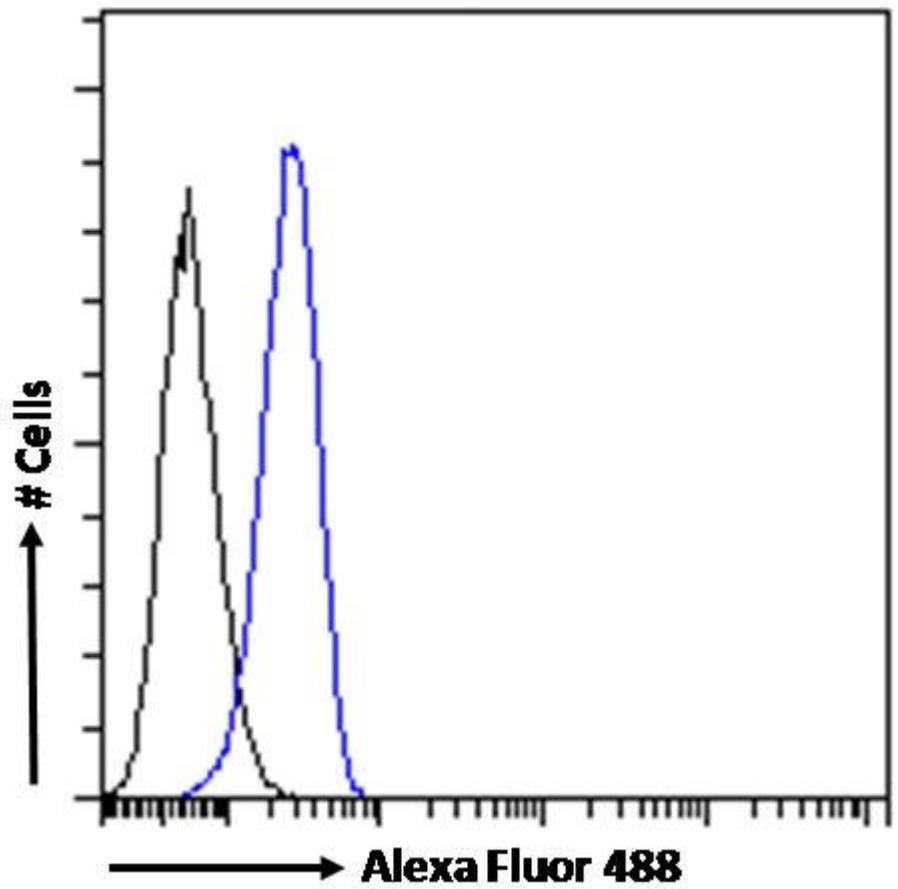
EB09441 Immunofluorescence analysis of paraformaldehyde fixed THP-1 cells immobilized on Shifit<sup>TM</sup> coverslip, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing membrane and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB09441 (6 $\mu$ g/ml) staining of paraffin embedded Human Spleen. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



EB09441 Negative Control showing staining of paraffin embedded Human Spleen, with no primary antibody.



EB09441 Flow cytometric analysis of paraformaldehyde fixed U937 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.