

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

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 GenelD(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.

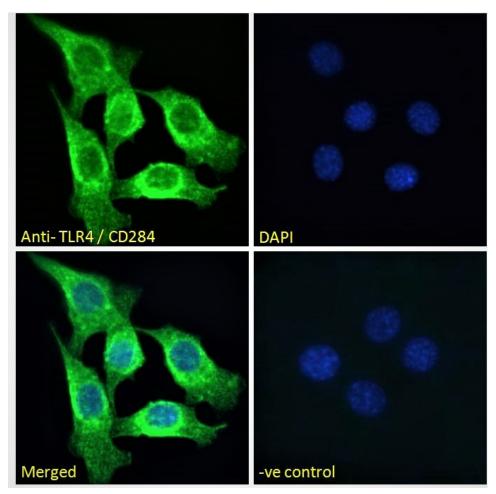
Immunofluorescence: Strong expression of the protein seen in the cytoplasm of NIH3T3 cells and membrane and cytoplasm of THP-1 cells. Recommended concentration: $10\mu g/ml$

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

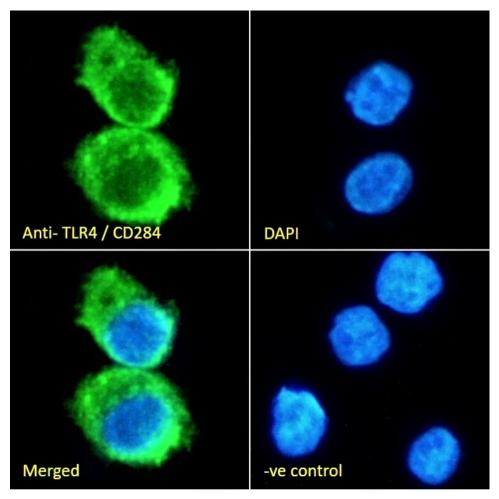
Species Reactivity

Tested: Human, Mouse

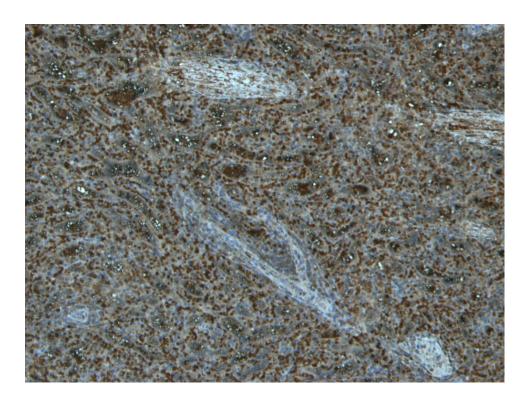
Expected from sequence similarity: Human, Mouse, Rat

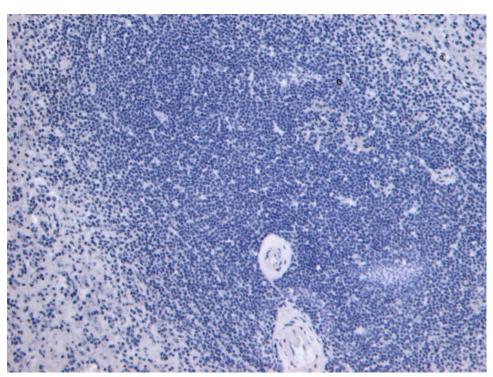


EB09441 Immunofluorescence analysis of paraformaldehyde fixed NIH3T3 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing Golgi/ER and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized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

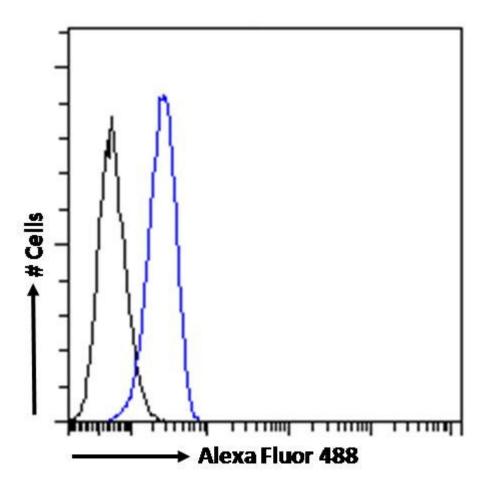


EB09441 Immunofluorescence analysis of paraformaldehyde fixed THP-1 cells immobilized on ShifixTM coverslip, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing membrane and cytoplasmic staining. The nuclear stain is DAPI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





EB09441 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 (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.