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Research Use Only. Not for diagnostic or therapeutic use.

EB10107 - Goat Anti-IL1R2 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: antigen CDw121b, CD121b, IL1RB, interleukin 1 receptor, type II,

MGC47725, type II interleukin-1 receptor, beta, IL1R2

Official Symbol: IL1R2

Accession Number(s): NP_004624.1; NP_001248348.1

Human GenelD(s): 7850

Important Comments: This antibody is expected to cross-react with both reported isoforms (NP_004624.1; NP_001248348.1). Reported variants represent identical protein: NP_775465.1, NP_004624.1

Immunogen

Peptide with sequence C-QYNITRSIELRIKK, from the internal region of the protein sequence according to NP_004624.1; NP_001248348.1.

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 45kDa band observed in lysates of cell lines LNCaP and MOLT-4 (calculated MW o 45.4kDa according to NP_004624.1). Recommended concentration:0.3-1µg/ml. Primary incubation 1 hour at room temperature.

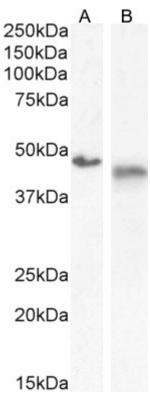
Immunofluorescence: Strong expression of the protein seen in the membranes and cytoplasm of A549 cells. Recommended concentration: 10µg/ml.

Flow Cytometry: Flow cytometric analysis of A549 cells. Recommended concentration: 10ug/ml.

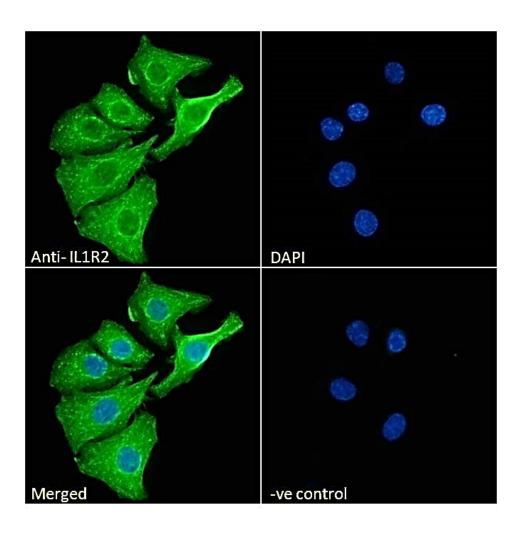
Species Reactivity

Tested: Human

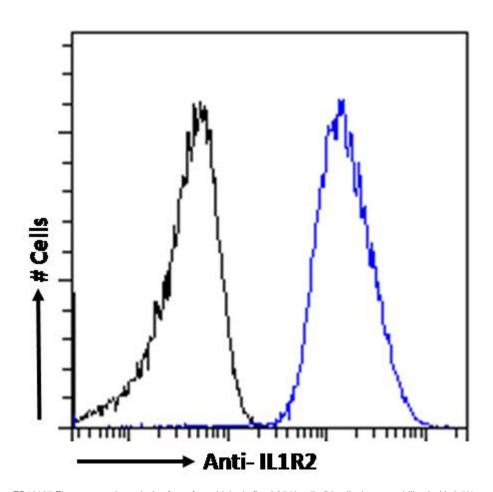
Expected from sequence similarity: Human



EB10107 (0.5 μ g/ml) staining of LNCaP (A) and (1 μ g/ml) MOLT-4 (B) cell- lysate (35 μ g protein in RIPA buffer). Detected by chemiluminescence.



EB10107 Immunofluorescence analysis of paraformaldehyde fixed A549 cells, 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).



EB10107 Flow cytometric analysis of paraformaldehyde fixed A549 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.