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Research Use Only. Not for diagnostic or therapeutic use.

EB09341 - Goat Anti-OCIL Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: CLEC2D, C-type lectin domain family 2, member D, CLAX, LLT1, OCIL, C-type lectin related f, C-type lectin superfamily 2, member D, lectin-like NK cell

receptor, lectin-like transcript 1, osteoclast inhibitory lectin

Official Symbol: CLEC2D

Accession Number(s): NP_037401.1; NP_001004419.1; NP_001184246.1

Human GeneID(s): 29121

Important Comments: This antibody is expected to recognize all isoforms

(NP_037401.1; NP_001004419.1; NP_001184246.1).

Immunogen

Peptide with sequence C-LLRYKGPSDH, from the Internal region of the protein sequence according to NP_037401.1; NP_001004419.1; NP_001184246.1.

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 30-35kDa band observed in lysates of histiocytic lymphoma cell line U937 (calculated MW of 22.3kDa according to NP_001004419.1). This molecular weight is routinely observed by other sources. Recommended concentration: $0.3-1\mu g/ml$. Primary incubation 1 hour at room temperature.

IHC: Paraffin embedded Human Tonsil and Placenta. Recommended concentration: 3.75µg/ml.

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

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

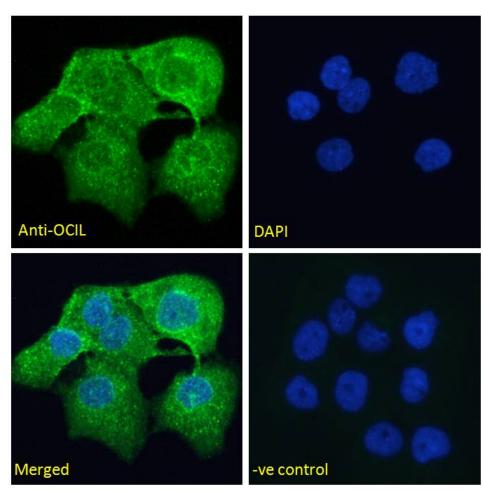
Species Reactivity

Tested: Human

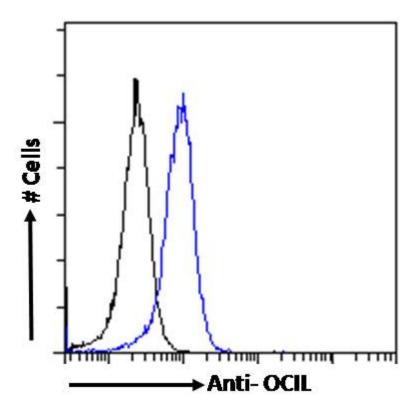
Expected from sequence similarity: Human, Dog, Cow

250kDa 150kDa 100kDa 75kDa 50kDa 37kDa 25kDa 20kDa

 $EB09341\ (0.3\mu\text{g/ml})\ staining\ of\ U937\ cell\ lysate\ (35\mu\text{g}\ protein\ in\ RIPA\ buffer).\ Detected\ by\ chemiluminescence.$

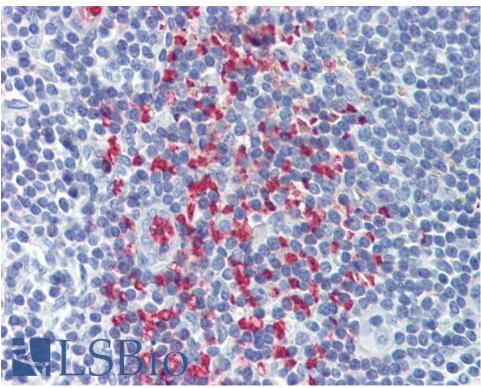


EB09341 Immunofluorescence analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic/membrane staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).

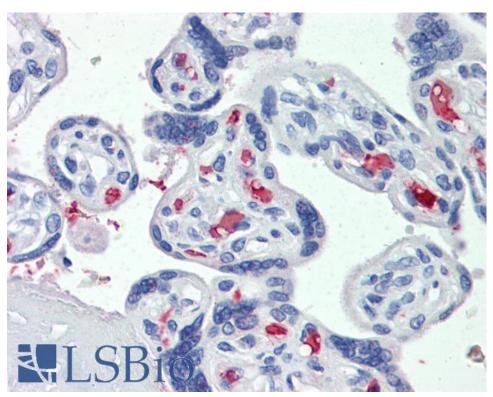


EB09341 Flow cytometric analysis of paraformaldehyde fixed Jurkat cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control:

Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



EB09341 (3.75 μ g/ml) staining of paraffin embedded Human Tonsil. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB09341 (3.75μg/ml) staining of paraffin embedded Human Placenta. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.