



## International Office

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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: 0.3-1µg/ml. Primary incubation 1 hour at room temperature.

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

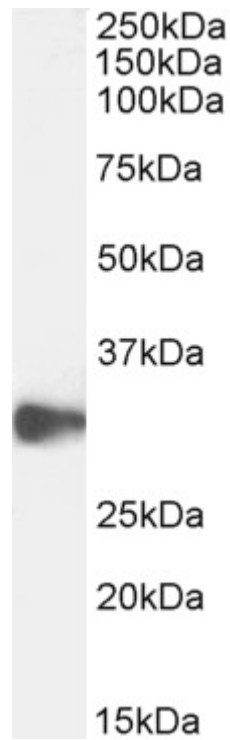
**Immunofluorescence:** Strong expression of the protein seen in the cytoplasm of A431 cells. Recommended concentration: 10µg/ml.

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

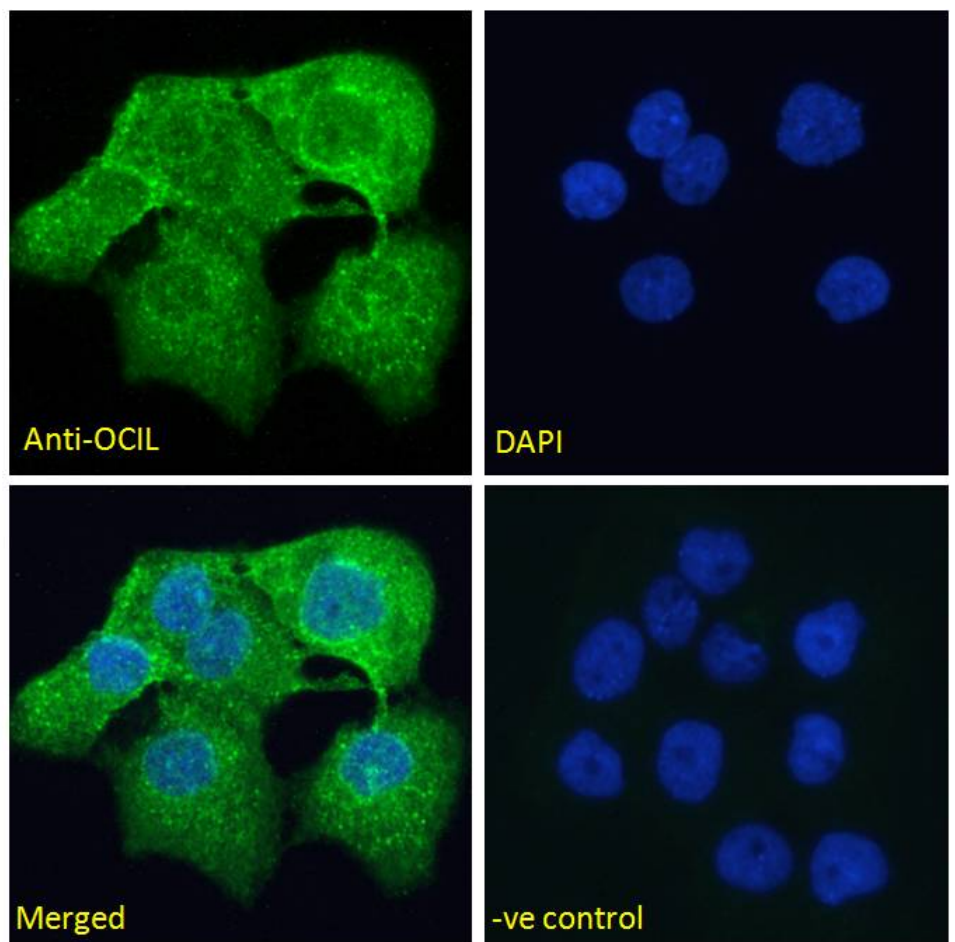
### Species Reactivity

**Tested:** Human

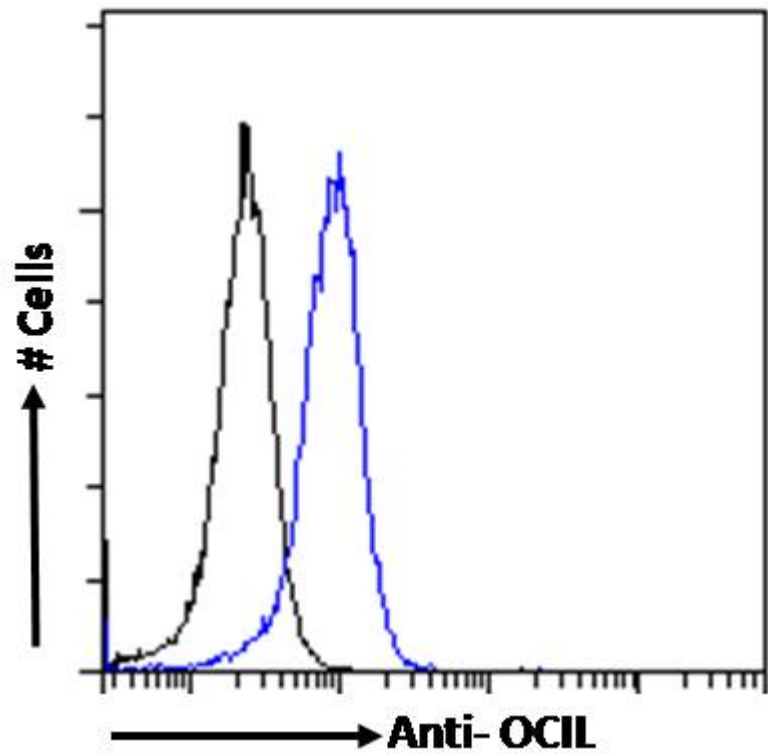
**Expected from sequence similarity:** Human, Dog, Cow



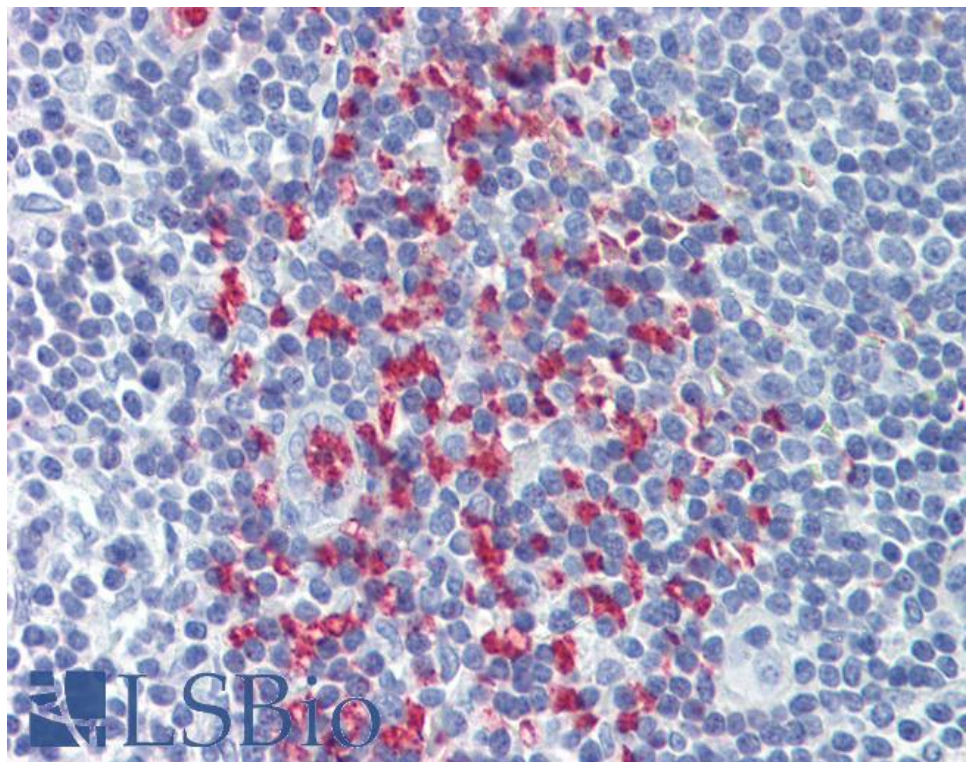
EB09341 (0.3 $\mu$ g/ml) staining of U937 cell lysate (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.



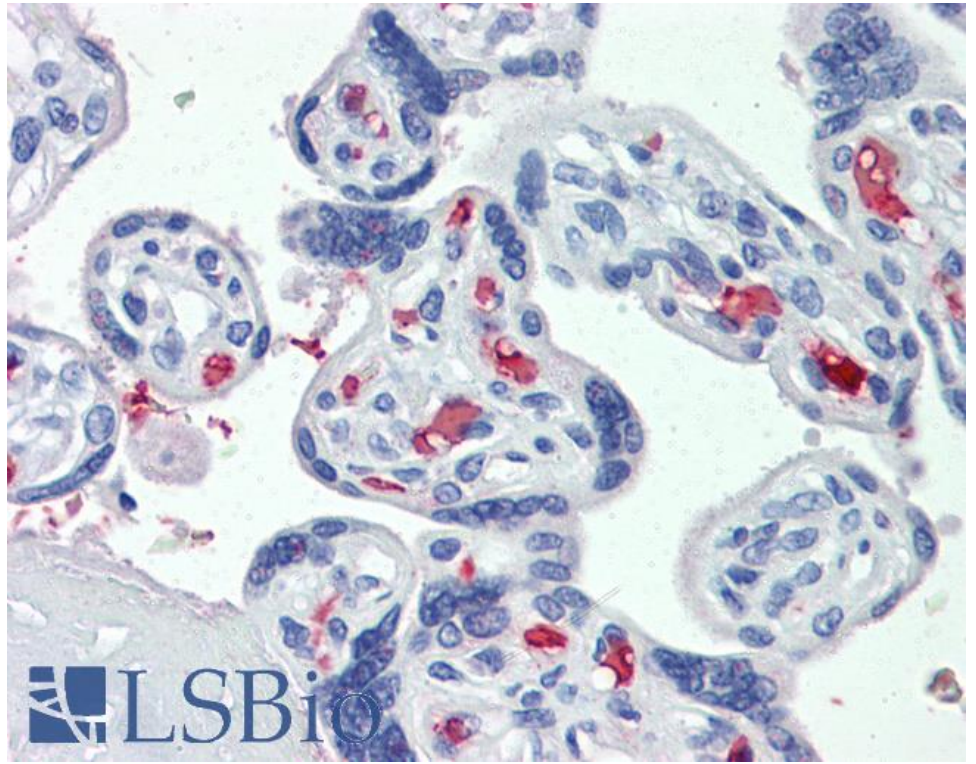
EB09341 Immunofluorescence analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10 $\mu$ g/ml) followed by Alexa Fluor 488 secondary antibody (2 $\mu$ g/ml), showing cytoplasmic/membrane staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 $\mu$ g/ml) followed by Alexa Fluor 488 secondary antibody (2 $\mu$ g/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 (3.75µg/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.