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Research Use Only. Not for diagnostic or therapeutic use.

EB12715 - Goat Anti-DC-SIGN / CD209 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: CD209, CD209 molecule, CDSIGN, CLEC4L, DC-SIGN, DC-SIGN1, C-type lectin domain family 4 member L, C-type lectin domain family 4, member L, CD209 antigen, HIV gpl20-binding protein, dendritic cell-specific ICAM-3-grabbing non-integrin 1, dendritic cell-specific intracellular adhesion molecules (ICAM)-3 grabbing non-integrin

Official Symbol: CD209

Accession Number(s): NP_066978.1; NP_001138368.1; NP_001138369.1; NP_001138365.1; NP_001138366.1; NP_001138367.1; NP_001138371.1

Human GeneID(s): 30835

Important Comments: This antibody is expected to recognize all reported isoforms.

Immunogen

Peptide with sequence C-NRGEPNNVGEED, from the internal region of the protein sequence according to NP_066978.1; NP_001138368.1; NP_001138369.1; NP_001138365.1; NP_001138366.1; NP_001138367.1; NP_001138371.1.

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 1:128000.

Western blot: Approx. 50kDa band observed in lysates of cell lines K562 and THP-1, and in preliminary testing of Human Lung and Testes lysate (calculated MW of 45.8kDa according to NP_066978.1). This molecular weight is observed by other commercial sources, and was successfully blocked by incubation with the immunizing peptide. Recommended concentration: 1-3µg/ml. Primary incubation 1 hour at room temperature.

Positive Control: A batch specific positive control lysate is available for this product. Please contact Sales@everestbiotech.com for availability.

IHC: Paraffin embedded Human Placenta. Recommended concentration: 6µg/ml.

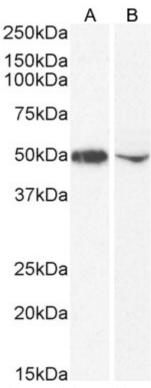
Immunofluorescence: Strong expression of the protein seen in the plasma membranes and cytoplasm of THP-1 cells. Recommended concentration: 10µg/ml.

Flow Cytometry: Flow cytometric analysis of THP-1 cells. Recommended concentration: 10ug/ml.

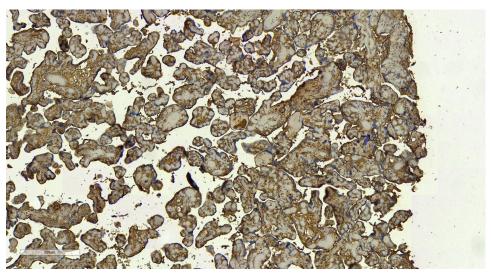
Species Reactivity

Tested: Human

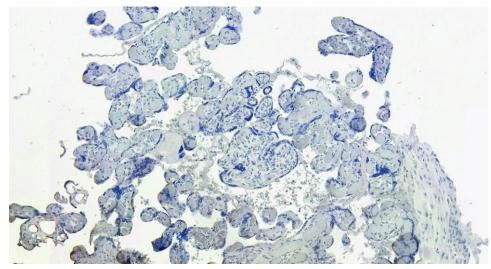
Expected from sequence similarity: Human



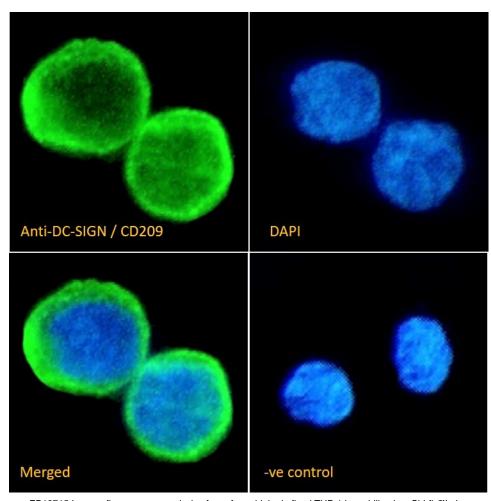
EB12715 (1 μ g/ml) staining of K562 (A) and (2 μ g/ml) THP-1 (B) cell lysate (35 μ g protein in RIPA buffer). Detected by chemiluminescence.



EB12715 (6µg/ml) staining of paraffin embedded Human Placenta. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.

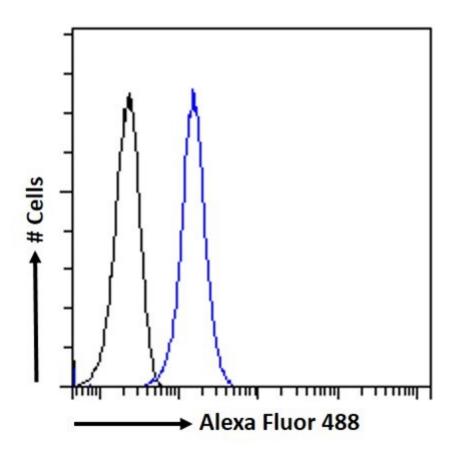


EB12715 Negative Control showing staining of paraffin embedded Human Placenta, with no primary antibody.



EB12715 Immunofluorescence analysis of paraformaldehyde fixed THP-1 immobilized on Shi-fix[™] plus cover-slips. Primary incubation 1hr (1:50 dilution) followed by Alexa Fluor® 488 secondary antibody (1:2000 dilution), showing membrane and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control:

Anti-Goat IgG followed by Alexa Fluor® 488 secondary antibody.



EB12715 Flow cytometric analysis of paraformaldehyde fixed THP1 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.