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EB05399-T - Goat Anti-MS2 / ADAM8 / CD156 Antibody - Trial

Size: 20µg specific antibody in 40µl

Target Protein

Principal Names: ADAM8, CD156, a disintegrin and metalloproteinase domain 8, CD156 MS2, ADAM metallopeptidase domain 8, MGC134985, MS2, cell surface antigen MS2, disintegrin and metalloproteinase domain-containing protein 8, human leukocyte differentiation antigen
Official Symbol: ADAM8
Accession Number(s): NP_001100.3; NP_001157962.1
Human GeneID(s): 101
Non-Human GeneID(s): 11501 (mouse)
Important Comments: This antibody is expected to recognise isoform 1 and 3 (NP_001100.3; NP_001157962.1).

Immunogen

Peptide with sequence C-QRKQGAGAPTAP, from the C Terminus of the protein sequence according to NP_001100.3; NP_001157962.1.

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. 90kDa band observed in lysates of cell line Caco-2, approx. 80kDa in Human Duodenum lysates and approx. 85kDa in preliminary testing of MCF7 cell lysate (calculated MW of 88.8kDa according to NP_001100.3 and 78.8kDa according to NP_001157962.1). 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 Lymph Node. Recommended concentration: 6-8µg/ml.

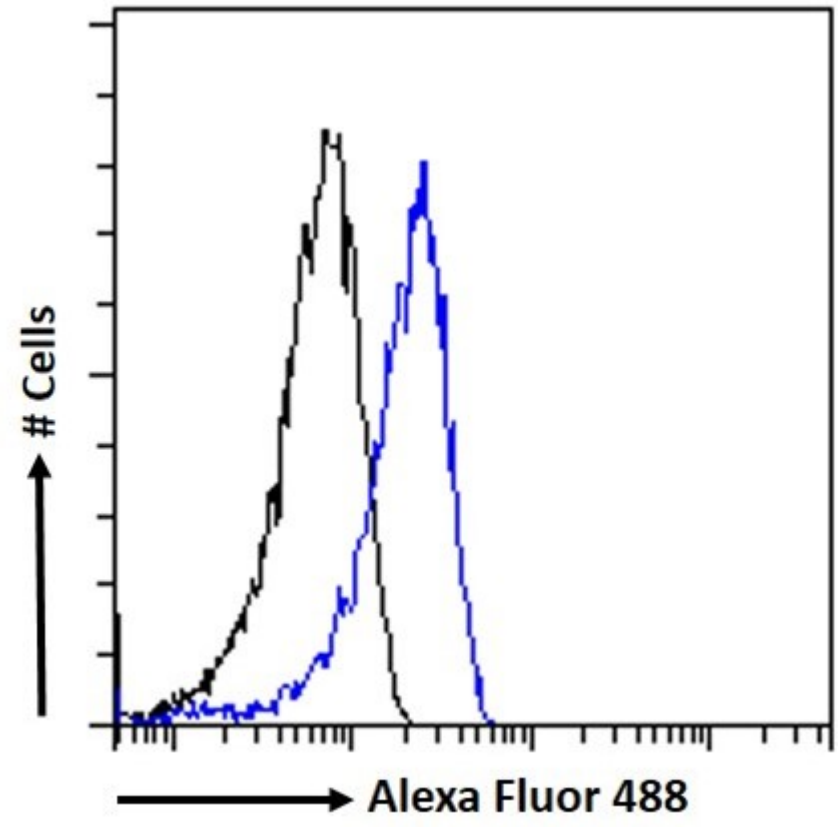
Flow Cytometry: Flow cytometric analysis of Caco-2 cells. Recommended concentration: 10ug/ml.

Species Reactivity

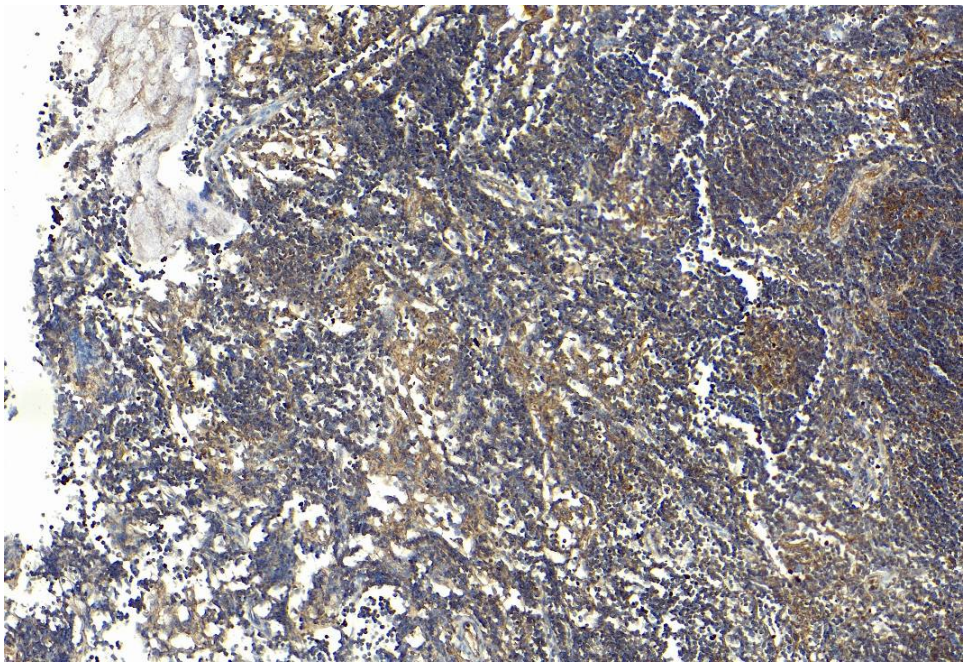
Tested: Human
Expected from sequence similarity: Human

EB05399 (1µg/ml) staining of Caco-2 cell lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

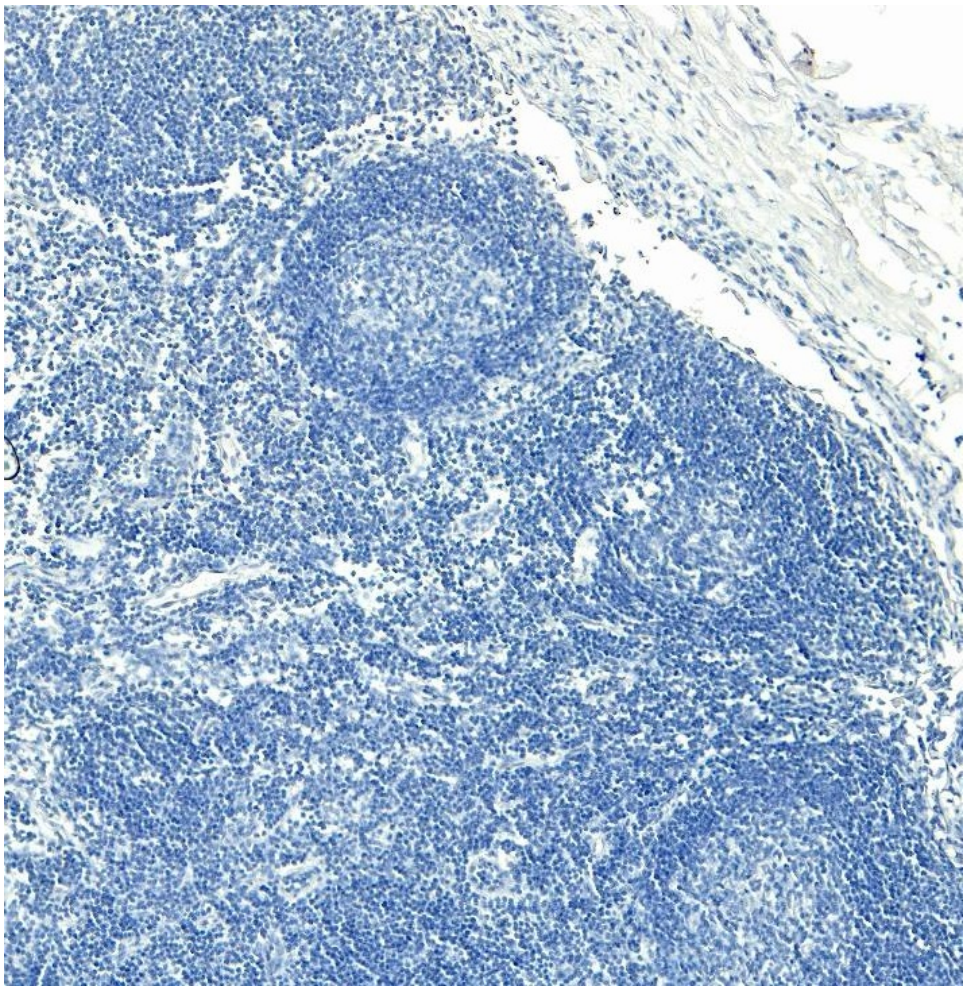
EB05399 (1µg/ml) staining of Human Duodenum lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



EB05399 Flow cytometric analysis of paraformaldehyde fixed Caco-2 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.



EB05399 (6µg/ml) staining of paraffin embedded Human Lymph Node. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



EB05399 Negative Control showing staining of paraffin embedded Human Lymph Node, with no primary antibody.