

#### **International Office**

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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 GenelD(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

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

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

Detected by chemiluminescence.

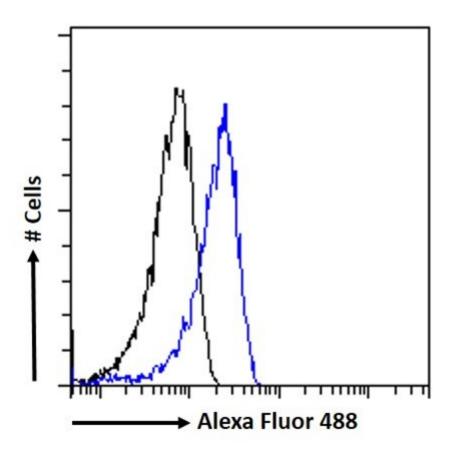
250kDa 150kDa 100kDa 75kDa 50kDa 37kDa

25kDa

20kDa

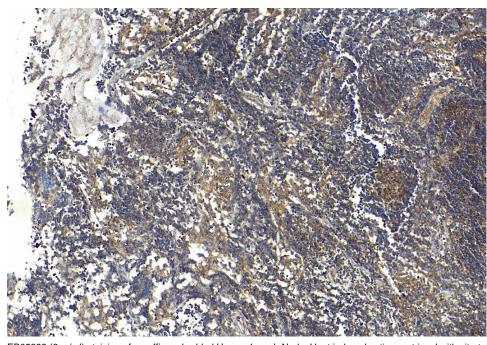
15kDa

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

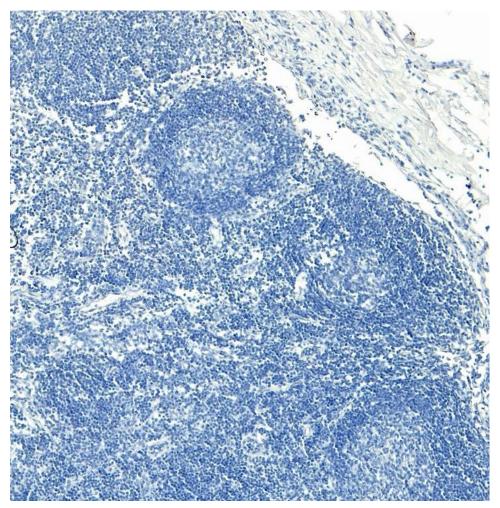


EB05399 Flow cytometric analysis of paraformaldehyde fixed Caco-2 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control:

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



 $\label{eq:eboson} EB05399~(6\mu g/ml)~staining~of~paraffin~embedded~Human~Lymph~Node.~Heat~induced~antigen~retrieval~with~citrate~buffer~pH~6,~HRP-staining.$ 



 ${\tt EB05399\ Negative\ Control\ showing\ staining\ of\ paraffin\ embedded\ Human\ Lymph\ Node,\ with\ no\ primary}$  antibody.}