

## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB06536 - Goat Anti-ADAM12 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** ADAM12, MCMP, MLTN, MLTNA, MCMPMLtna, a disintegrin and metalloproteinase domain 12 (meltrin alpha), meltrin alpha, A disintegrin and metalloproteinase domain 12 (Meltrin-alpha, mouse, homolog of), ADAM metalloproteinase domain 12, RP11-295J3.5, ADAM metalloproteinase domain 12

**Official Symbol:** ADAM12

**Accession Number(s):** NP\_003465.3; NP\_067673.2

**Human GeneID(s):** [8038](#)

**Important Comments:** This antibody is expected to recognise both the longer membrane-bound form of human ADAM12 (NP\_003465.3) and the shorter soluble ADAM12 splice isoform (NP\_067673.2). This antibody does not cross-react with other ADAMS.

### Immunogen

Peptide with sequence AARPLPVSPARALC, from the N Terminus of the protein sequence according to NP\_003465.3; NP\_067673.2.

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 1:64000.

**IHC:** In paraffin embedded Human Prostate shows strong cytoplasm staining of a group of secretory epithelial cells. Recommended concentration: 3-5µg/ml. Paraffin embedded Human Placenta. Recommended concentration: 3.75µg/ml.

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

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

### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human

EB06536 Immunofluorescence analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15% Triton.

Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml), showing cytoplasmic/plasma membrane staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml).

EB06536 Flow cytometric analysis of paraformaldehyde fixed HeLa cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (0.4ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.

EB06536 (3.8µg/ml) staining of paraffin embedded Human Prostate. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

EB06536 (3.75µg/ml) staining of paraffin embedded Human Placenta. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.