

## UK Office

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

## EB11060 - Goat Anti-Adam12 (mouse) Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** a disintegrin and metallopeptidase domain 12 (meltrin alpha), a disintegrin and metalloprotease domain 12, a disintegrin and metalloproteinase domain 12 (meltrin alpha), ADAM 12, disintegrin and metalloproteinase domain-containing protein 12, KIAA4001, meltrin alpha, meltrin-alpha, mKIAA4001, Mltna, OTTMUSP00000023508, Adam12

**Official Symbol:** Adam12

**Accession Number(s):** NP\_031426.2

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

**Non-Human GeneID(s):** 11489 (mouse), 679837 (rat)

**Important Comments:** This antibody is expected to recognize both reported isoforms (NP\_003465.3; NP\_067673.2).

### Immunogen

Peptide with sequence KKTMEKLRVHP, from the internal region of the protein sequence according to NP\_031426.2.

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 1:4000.

**Western blot:** Preliminary experiments gave an approx 37kDa band in Mouse and Rat Skeletal Muscle lysates after 1µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 98.5kDa according to NP\_031426.2. The 37kDa band was successfully blocked by incubation with the immunizing peptide. We would appreciate any feedback from people in the field - have any results been reported with other antibodies/lysates? Have any further splice variants/modified forms been reported?

### Species Reactivity

**Tested:**

**Expected from sequence similarity:** Mouse, Rat, Pig