

## UK Office

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

## EB08817 - Goat Anti-Mcp10 / Mcp9 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** Cma2, Chymase 2, mast cell, Mast cell protease 10, Mcp10

**Official Symbol:** Cma2

**Accession Number(s):** NP\_001019885.1; NP\_034912.3

**Non-Human GeneID(s):** 17232 (mouse)

**Important Comments:** Mcp 10 and Mcp 9 (GeneID 545055) are almost identical in their protein sequence. No cross-reactivity expected with the similar Mcp4.

### Immunogen

Peptide with sequence CKIFKHYKDSLQ, from the internal region of the protein sequence according to NP\_001019885.1; NP\_034912.3.

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 1:2000.

**Western blot:** Preliminary experiments gave an approx 49kDa band in Human Skeletal Muscle lysates after 0.02µg/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 26.9kDa according to NP\_001019885.1 and NP\_034912.3. The 49kDa 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