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

## EB11704 - Goat Anti-complement C3 (aa681-693) Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** acylation-stimulating protein cleavage product, AHUS5, ARMD9, ASP, C3, C3 and PZP-like alpha-2-macroglobulin domain-containing protein 1, complement C3, complement component 3, complement component C3, CPAMD1, OTTHUMP00000197086

**Official Symbol:** C3

**Accession Number(s):** NP\_000055.2

**Human GeneID(s):** [718](#)

**Important Comments:** This antibody is expected to recognize the C3 alpha chain and C3a anaphylatoxin,

### Immunogen

Peptide with sequence DKVGKYPKELRKC, from the internal region of the protein sequence according to NP\_000055.2.

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 1:128000.

**Western blot:** Preliminary experiments gave an approx 125kDa band in Human Liver lysates after 0.3µg/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 104kDa according to the largest fragment C3 alpha chain (aa672-1663). Although this fragment is glycosylated, we have not yet found support in the literature for the observed size. The 125kDa band was successfully blocked by incubation with the immunizing peptide. We would appreciate any feedback from people in the field. Please note that a different antibody developed to a different part of the protein showed identical results: EB11703.

### Species Reactivity

**Tested:**

**Expected from sequence similarity:** Human