



## UK Office

### Everest Biotech Ltd

Cherwell Innovation Centre  
77 Heyford Park  
Upper Heyford  
Oxfordshire  
OX25 5HD  
UK

Enquiries:

[info@everestbiotech.com](mailto:info@everestbiotech.com)

Sales:

[sales@everestbiotech.com](mailto:sales@everestbiotech.com)

Tech support:

[support@everestbiotech.com](mailto:support@everestbiotech.com)

Tel: +44 (0)1869 238326

[www.everestbiotech.com](http://www.everestbiotech.com)

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

## EB11703 - Goat Anti-complement C3 (aa1580-1592) 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, C3b alpha' chain and the C3c alpha' chain fragment 2.

### Immunogen

Peptide with sequence QQRTFISPIKCRE, from the C Terminus 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.

**IHC:** Paraffin embedded Human Placenta and Testis. Recommended concentration: 5µg/ml.

### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human

EB11703 (5µg/ml) staining of paraffin embedded Human Placenta. Steamed antigen retrieval with citrate buffer Ph 6, AP-staining.

EB11703 (5µg/ml) staining of paraffin embedded Human Testis. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.