



## 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.**

## EB06817-B - Goat Anti-Caveolin 1, Biotinylated Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** CAV1, caveolin 1, BSCL3, CGL3, LCCNS, MSTP085, PPH3, VIP21, caveolin 1, caveolae protein, 22kDa, cell growth-inhibiting protein 32, CAV, HGNC:1527

**Official Symbol:** CAV1

**Accession Number(s):** NP\_001744.2; NP\_001166366.1

**Human GeneID(s):** [857](#)

**Non-Human GeneID(s):** 12389 (mouse), 25404 (rat)

**Important Comments:** This antibody is expected to recognize both reported isoforms (NP\_001744.2; NP\_001166366.1). Reported variants represent identical protein: NP\_001166367.1, NP\_001166368.1, NP\_001166366.1. No cross-reactivity expected to Caveolin 2 and Caveolin 3

### Immunogen

Peptide with sequence C-DELSEKQVYDAH., from the internal region of the protein sequence according to NP\_001744.2; NP\_001166366.1.

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 1:8000.

**Western blot:** Approx 22+24kDa band observed in Human spleen lysates (calculated MW of 20.5kDa according to NP\_001744.2). See non-biotinylated parental product's datasheet for further QC data. Recommended concentration: 1-3µg/ml.

### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human



Biotinylated EB06817 (1 $\mu$ g/ml) staining of Human Spleen lysate (35 $\mu$ g protein in RIPA buffer), exactly mirroring its parental non-biotinylated product. Primary incubation was 1 hour. Detected by chemiluminescence, using streptavidin-HRP and using NAP blocker as a substitute for skimmed milk.