



## International Office

### Everest Biotech Ltd

Vector Laboratories, Inc.  
6737 Mowry Ave  
Newark, CA 94560  
United States

Customer Service:

[customerservice@vectorlabs.com](mailto:customerservice@vectorlabs.com)

Technical Service:

[technical@vectorlabs.com](mailto:technical@vectorlabs.com)

Tel: +1 (800) 227-6666

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

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

## EB06156 - Goat Anti-DSS1 / SHFM1 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** SHFM1, split hand/foot malformation (ectrodactyly) type 1, DSS1, Deleted in split-hand/split-foot 1 region, ECD, SEM1, SHFD1, SHSF1, Shfdg1, candidate for split hand/foot malformation type 1, deleted in split-hand/foot 1, deleted in split-hand/split-foot 1, split hand/foot malformation type 1

**Official Symbol:** SEM1

**Accession Number(s):** NP\_006295.1

**Human GeneID(s):** [7979](#)

**Non-Human GeneID(s):** 20422 (mouse)

### Immunogen

Peptide with sequence C-RAELEKHGYKMETS, from the C Terminus of the protein sequence according to NP\_006295.1.

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 1:32000.

**Western blot:** No signal obtained yet but a preliminary experiment showed low background in Human Liver extract at up to 1µg/ml. This used our standard western blotting protocol which we would not expect to detect proteins as small as the predicted size of approx. 8KDa according to NP\_006295. We would appreciate any feedback from people in the field - have any results been reported with other antibodies/lysates?

**Immunocytochemistry:** Anonymous customer found nuclear staining in HT1080.

### Species Reactivity

**Tested:**

**Expected from sequence similarity:** Human, Mouse, Dog, Cow, Pig