

## UK Office

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

## EB06825-T - Goat Anti-Osteopontin / SPP1 Antibody - Trial

Size: 20µg specific antibody in 40µl



### Target Protein

**Principal Names:** SPP1, HGNC:11255, secreted phosphoprotein 1 (osteopontin, bone sialoprotein I, early T-lymphocyte activation 1), BNSP, BSPI, ETA-1, MGC110940, OPN, Secreted phosphoprotein-1 (osteopontin, bone sialoprotein), secreted phosphoprotein 1, SPP1/CALPHA1 fusion, bone sialoprotein I, early T-lymphocyte activation 1, osteopontin, osteopontin/immunoglobulin alpha 1 heavy chain constant region fusion protein

**Official Symbol:** SPP1

**Accession Number(s):** NP\_001035147.1; NP\_000573.1; NP\_001035149.1

**Human GenelD(s):** [6696](#)

**Non-Human GenelD(s):** 20750 (mouse)

### Immunogen

Peptide with sequence C-DPKSKEEDKHLK, from the C Terminus of the protein sequence according to NP\_001035147.1; NP\_000573.1; NP\_001035149.1.

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:** Approx 60kDa band observed in lysates of Human Tonsil and lysates of cell line MOLT4 and Jurkat (calculated MW of 33.8kDa according to NP\_000573.1). The observed molecular weight corresponds to earlier findings in literature (Singh et al, J Biol Chem. 1995 Nov 24;270(47):28471-8; PMID: 7499354). Recommended concentration: 0.5-1.5µg/ml. Primary incubation was 1 hour. Preliminary testing was unsuccessful on Mouse for this particular batch.

### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human, Mouse, Rat, Dog

EB06825 (0.5µg/ml) staining of MOLT4 lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB06825 (5µg/ml) staining of paraffin embedded Human Placenta. Steamed antigen retrieval with citrate buffer pH 6, AP-staining. **This data is from a previous batch, not on sale.**