

## UK Office

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

## EB05040-T - Goat Anti-SOCS1 Antibody - Trial

Size: 20µg specific antibody in 40µl



### Target Protein

**Principal Names:** SOCS1, JAB, CIS1, SSI1, TIP3, CISH1, SSI-1, SOCS-1, suppressor of cytokine signaling 1, JAK binding protein, Tec-interacting protein 3, STAT induced SH3 protein 1, cytokine-inducible SH2 protein 1, STAT-induced STAT inhibitor 1, TIP-3

**Official Symbol:** SOCS1

**Accession Number(s):** NP\_003736.1

**Human GeneID(s):** [8651](#)

**Non-Human GeneID(s):** 12703 (mouse)

### Immunogen

Peptide with sequence C-VLRDYLSSFPFQI, from the C Terminus of the protein sequence according to NP\_003736.1.

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.24kDa band observed in Human Spleen and Pig Pancreas, and approx. 23kDa in Mouse Spleen lysates (Calculated MWt. of 23.6kDa according to Human NP\_003736.1, 23.7kDa according to Mouse NP\_034026.1 and 24.4kDa according to Pig XP\_005662183.1). Recommended concentration: 0.1-1.0µg/ml. Primary incubation 1 hour at room temperature. **Negative Control:** HeLa cell lysate. Preliminary testing was unsuccessful on Rat Spleen and Kidney for this particular batch.

**IHC:** Paraffin embedded Human Kidney. Recommended concentration: 5µg/ml.

**Flow Cytometry:** Flow cytometric analysis of HEK293 cells. Recommended concentration: 10ug/ml.

### Species Reactivity

**Tested:** Human, Mouse, Pig

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

EB05040 (0.3µg/ml) staining of Human Splen (A), Pig Pancreas (B), (1ug/ml) Mouse Spleen (C) lysate and negative control HeLa (D) cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB05040 (5µg/ml) staining of paraffin embedded Human Kidney. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.

EB05040 Negative Control showing staining of paraffin embedded Human Kidney, with no primary antibody.

EB05040 Flow cytometric analysis of paraformaldehyde fixed HEK293 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.