



## 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.**

## EB09152 - Goat Anti-Thrombospondin Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** THBS1, thrombospondin 1, THBS, TSP, TSP1, thrombospondin-1p180

**Official Symbol:** THBS1

**Accession Number(s):** NP\_003237.2

**Human GeneID(s):** [7057](#)

### Immunogen

Peptide with sequence NRIPESGGDNSVFD-C, from the N Terminus of the protein sequence according to NP\_003237.2.

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:** Approx 150kDa band observed in Mouse Kidney lysates (calculated MW of 129kDa according to NP\_035710.2). Recommended concentration: 0.3-1µg/ml. Primary incubation 1 hour at room temperature.

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

**Immunofluorescence:** Strong expression of the protein seen in the cytoplasm of HeLa and HepG2 cells. Recommended concentration: 10µg/ml.

**Flow Cytometry:** Flow cytometric analysis of A431 cells. Recommended concentration: 10ug/ml.

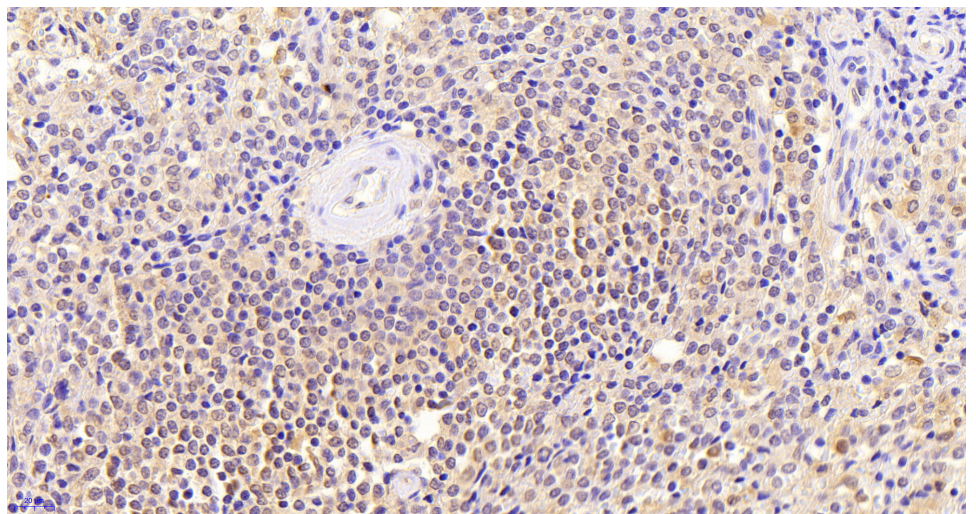
### Species Reactivity

**Tested:** Human, Mouse

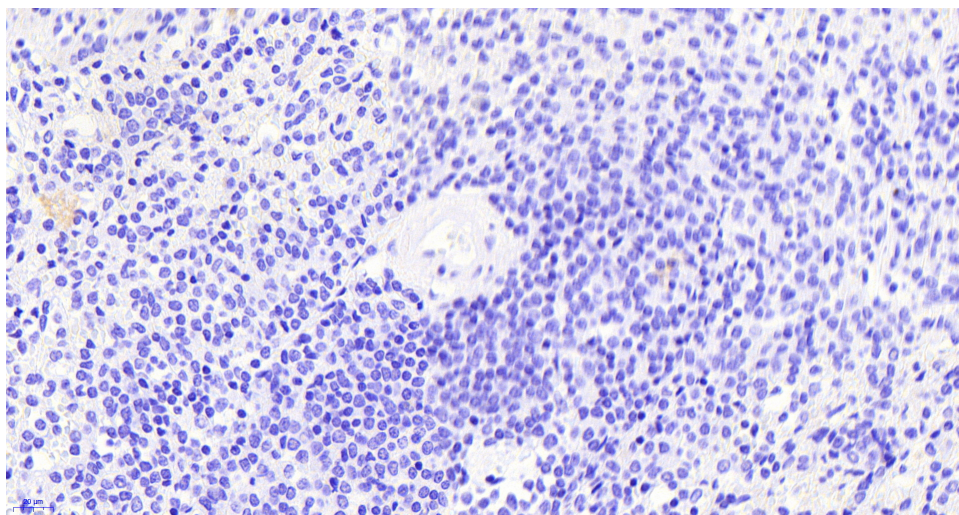
**Expected from sequence similarity:** Human, Mouse, Rat, Cow



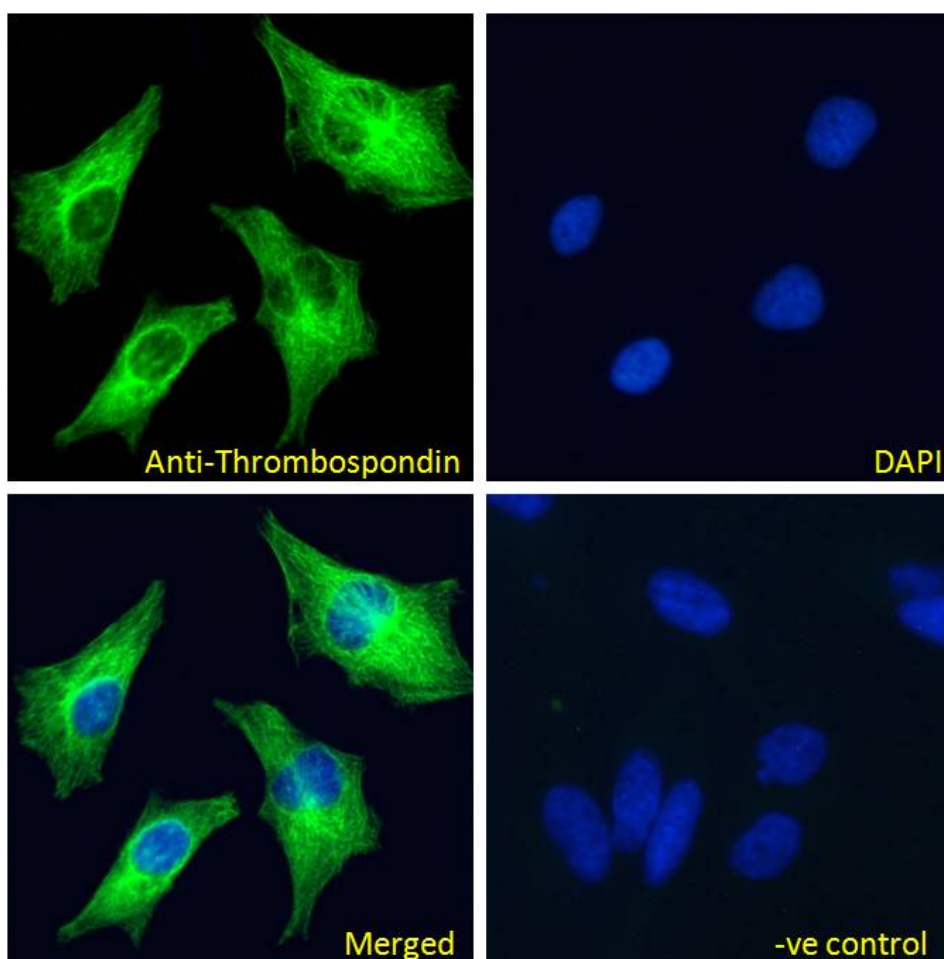
EB09152 (1 $\mu$ g/ml) staining of Mouse Kidney lysate (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.



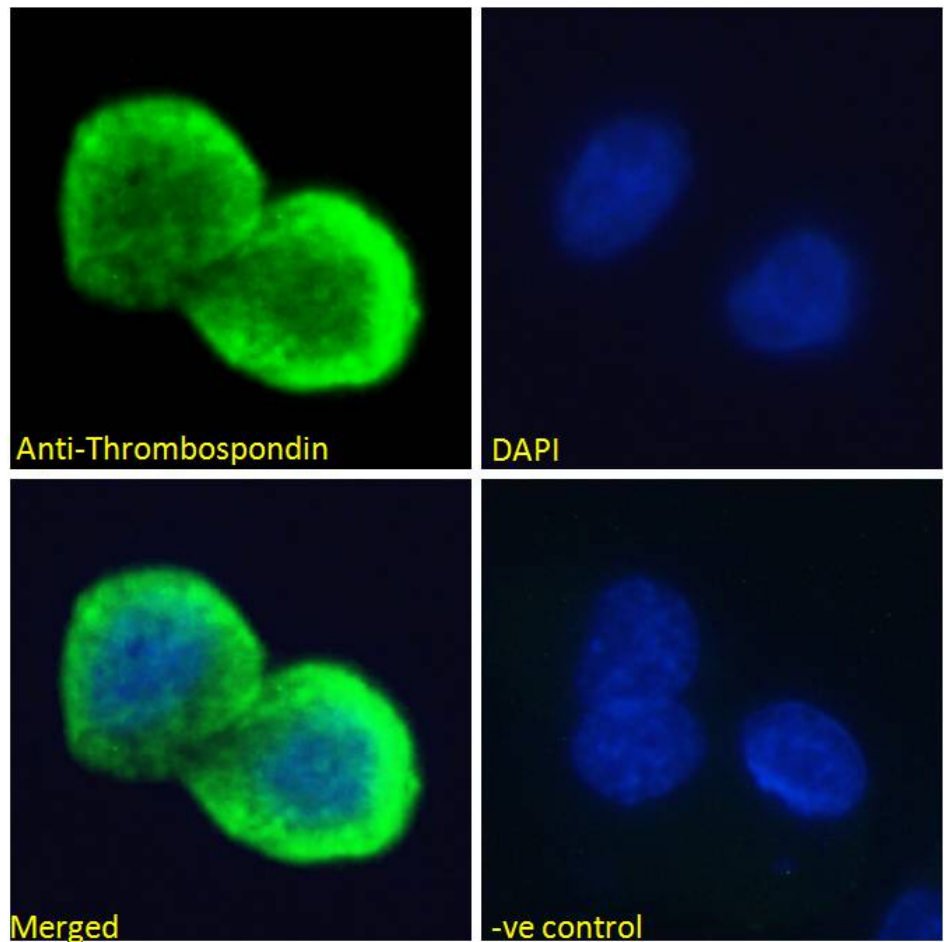
EB09152 (5 $\mu$ g/ml) staining of paraffin embedded Human Spleen. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



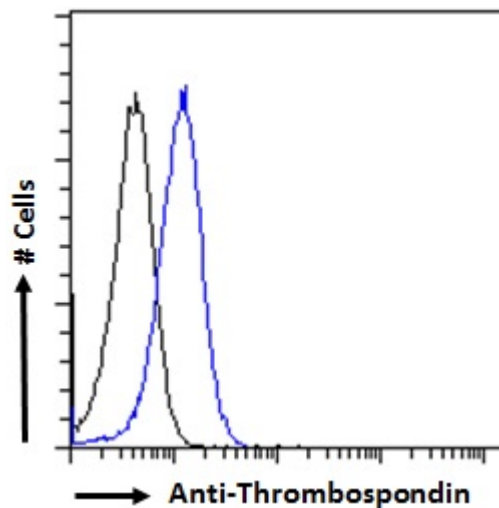
EB9152 Negative Control showing staining of paraffin embedded Human Spleen, with no primary antibody.



EB09152 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml).



EB09152 Immunofluorescence analysis of paraformaldehyde fixed HepG2 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml), showing cytoplasmic/Plasma Membrane staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml).



EB09152 Flow cytometric analysis of paraformaldehyde fixed A431 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.