

## UK Office

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

## EB05291-T - Goat Anti-ASC / TMS1 Antibody - Trial

Size: 20µg specific antibody in 40µl



### Target Protein

**Principal Names:** PYCARD, ASC, TMS1, PYD and CARD domain containing, CARD5, MGC10332, TMS, apoptosis-associated speck-like protein containing a CARD, caspase recruitment domain protein 5, target of methylation-induced silencing-1, TMS-1

**Official Symbol:** PYCARD

**Accession Number(s):** NP\_037390.2; NP\_660183.1

**Human GeneID(s):** [29108](#)

**Important Comments:** This antibody is expected to recognise both reported isoforms (NP\_037390.2 and NP\_660183.1).

### Immunogen

Peptide with sequence C-RESQSYLVEDLERS, from the C Terminus of the protein sequence according to NP\_037390.2; NP\_660183.1.

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 lysates of cell line U937 (calculated MW of 21.6kDa according to NP\_037390.2). Recommended for use at 1-3µg/ml.

**IHC:** In paraffin embedded Human Liver shows staining of sinusoidal lining cells.

Recommended concentration: 2-4µg/ml. Paraffin embedded Human Tonsil.

Recommended concentration: 2.5µg/ml.

### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human

EB05291 (2µg/ml) staining of U937 lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour.  
Detected by chemiluminescence.

EB05291 (2.5µg/ml) staining of paraffin embedded Human Liver. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

EB05291 (2.5µg/ml) staining of paraffin embedded Human Tonsil. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.