

## UK Office

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

## EB07850 - Goat Anti-T-cell differentiation protein Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** MAL, mal, T-cell differentiation protein, T-cell differentiation protein  
MAL, T-lymphocyte maturation-associated protein, myelin and lymphocyte protein

**Official Symbol:** MAL

**Accession Number(s):** NP\_002362.1; NP\_071884.1

**Human GeneID(s):** [4118](#)

**Non-Human GeneID(s):** 17153 (mouse), 25263 (rat)

**Important Comments:** This antibody is expected to recognise isoform a (NP\_002362.1)  
and isoform c (NP\_071884.1).

### Immunogen

Peptide with sequence C-QDGFTYRHYHEN, from the internal region of the protein  
sequence according to NP\_002362.1; NP\_071884.1.

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 1:4000.

**Western blot:** Preliminary experiments gave an approx 35kDa band in Human Thymus  
and Thyroid Gland lysates after 0.3µg/ml antibody staining. Please note that currently we  
cannot find an explanation in the literature for the band we observe given the calculated  
size of 16.7kDa according to NP\_002362.1. The 35kDa band was successfully blocked by  
incubation with the immunizing peptide. We would appreciate any feedback from people in  
the field - have any results been reported with other antibodies/lysates? Have any further  
splice variants/modified forms been reported?

### Species Reactivity

**Tested:**

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