

#### **International Office**

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# EB10740 - Goat Anti-CD28 Antibody

Size: 100µg specific antibody in 200µl



## **Target Protein**

Principal Names: CD28, CD28 molecule, MGC138290, Tp44, CD28 antigen, CD28

antigen (Tp44), T-cell-specific surface glycoprotein

Official Symbol: CD28

Accession Number(s): NP\_006130.1

Human GeneID(s): 940

Important Comments: The immunizing peptide corresponds to a part of the extracellular

domain.

#### **Immunogen**

Peptide with sequence SQQLQVYSKTGFNCD, from the internal region of the protein sequence according to NP\_006130.1.

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 1:64000.

**Western blot:** Approx 48kDa band observed in Human Lymph Node and Tonsil lysates (calculated MW of 25.1kDa according to NP\_006130.1). The observed molecular weight corresponds to the glycosylated form. Recommended concentration: 0.3-1µg/ml. Primary incubation was 1 hour.

**IHC:** In paraffin embedded Human Lymph Node shows membrane staining in the paracortex. Recommended concentration: 1-2µg/ml.

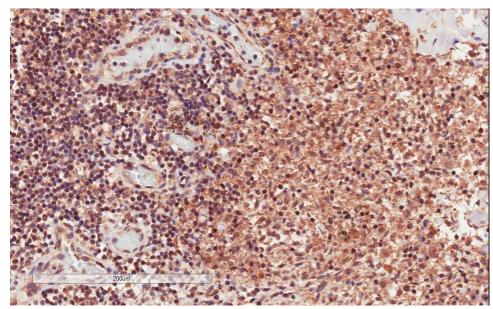
## **Species Reactivity**

Tested: Human

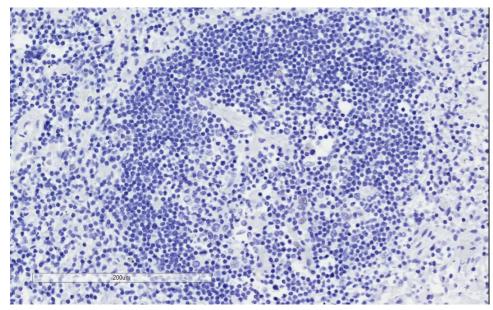
Expected from sequence similarity: Human

250kDa 150kDa 100kDa 75kDa 50kDa 37kDa 25kDa 20kDa

EB10740 (0.3μg/ml) staining of Human Tonsil lysate (35μg protein in RIPA buffer). Detected by chemiluminescence.



EB010740 ( $2\mu g/ml$ ) staining of paraffin embedded Human Lymph Node. Microwaved antigen retrieval with citrate buffer Ph 6, HRP-staining.



EB10740 Negative Control showing staining of paraffin embedded Human Lymph Node, with no primary antibody.