

## Product datasheet for **AP01120BT-N**

### CD40L (CD40LG) Goat Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	<p><b>Direct ELISA:</b> To detect Human sCD40L by Direct ELISA (using 100 µl/well antibody solution) a concentration of ~1.0 µg/ml is required. In conjunction with compatible secondary reagents, it allows the detection of at least 0.2-0.4 ng/well of recombinant Human sCD40L.</p> <p><b>Sandwich ELISA:</b> To detect Human sCD40L by Sandwich ELISA (using 100 µl/well antibody solution) a concentration of 0.25-1.0 µg/ml is required. In conjunction with Purified Anti-Human sCD40L (<i>Cat.-No</i> AP01120PU-N or <i>Cat.-No</i> AP01120PU-S) as a Capture antibody, it allows the detection of at least 0.2-0.4 ng/well of recombinant Human sCD40L.</p> <p><b>Western Blot:</b> To detect Human sCD40L by Western Blot analysis this antibody can be used at a concentration of 0.1-1.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant Human sCD40L is 1.5-3.0 ng/lane, under either <i>reducing</i> or <i>non-reducing conditions</i>.</p>
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Highly pure (> 98%) E.coli derived recombinant Human sCD40L <i>Cat.-No</i> PA151
Specificity:	<p>This antibody detects Human CD154 / sCD40L.</p> <p>Other species not tested.</p>
Formulation:	<p>PBS, pH 7.2</p> <p>Label: Biotin</p> <p>State: Lyophilized (sterile filtered) purified Ig fraction</p>
Reconstitution Method:	<p>Centrifuge vial prior to opening.</p> <p>Restore in sterile PBS containing 0.1% BSA to a concentration of 0.1-1.0 mg/ml.</p>
Purification:	Affinity Chromatography
Conjugation:	Biotin
Storage:	<p>Store lyophilized at 2-8°C for 6 months or at -20°C long term.</p> <p>After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term.</p> <p>Avoid repeated freezing and thawing.</p>



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**Stability:** Shelf life: one year from despatch.

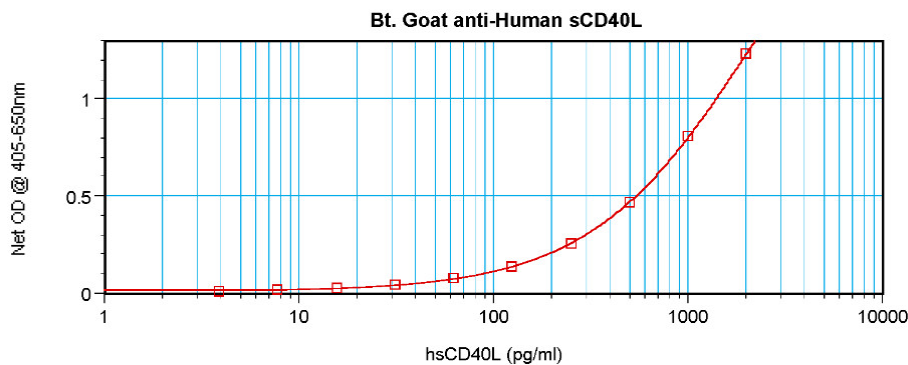
**Gene Name:** CD40 ligand

**Database Link:** [Entrez Gene 959 Human P29965](#)

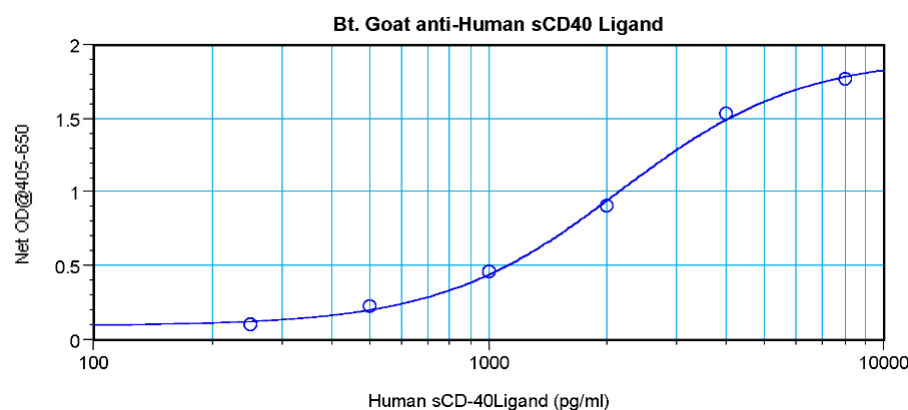
**Background:** CD40 ligand (CD40L) is a 33 kDa type II membrane glycoprotein expressed mainly on the cell surface of activated T lymphocytes, but also exists as a soluble form extracellularly. CD40L is the ligand for CD40, a member of the TNF superfamily, which is expressed on the cell surface of B cells, macrophages/monocytes, dendritic cells, vascular endothelial cells, and epithelial cells. CD40L plays an important role in B cell proliferation, antibody class switching, modulation of apoptosis in the germinal center through interaction with B cells expressing CD40, and activation of CD4+ T cells. Mutation within the CD40L gene is linked to hyper IgM syndrome, an X linked immunodeficiency disease that is characterized by elevated level of serum IgM and decreased level of other isotypes.

**Synonyms:** CD40 ligand, CD40-L, CD40LG, TNFSF5, TRAP, GP39

## Product images:



Sandwich ELISA using Biotin conjugated CD154 / CD40L Antibody *Cat.-No AP01120BT*



Direct ELISA using Biotin conjugated CD154 / CD40L Antibody *Cat.-No AP01120BT*