

## Product datasheet for **PP1211P1**

### LIGHT (TNFSF14) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	Neutralization. ELISA: To detect hLIGHT by direct ELISA (using 100 µl/well antibody solution) a concentration of at least 0.5 µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with compatible secondary reagents, allows the detection of 0.2 - 0.4 ng/well of recombinant hLIGHT. Western Blot: To detect hLIGHT by Western Blot analysis this antibody can be used at a concentration of 0.1 - 0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant hLIGHT is 1.5 -3.0 ng/lane, under either reducing or non-reducing conditions.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Highly pure (>98%) recombinant hLIGHT
Formulation:	0.5 X PBS pH 7.4 without preservatives. State: Aff - Purified State: Lyophilized purified Ig fraction.
Reconstitution Method:	Restore in sterile water to a concentration of > 0.2 mg/ml.
Purification:	Affinity chromatography employing immobilized hLIGHT matrix.
Conjugation:	Unconjugated
Storage:	Store the antibody prior to reconstitution at -20°C. Following reconstitution the antibody can be stored at 2-8°C for one month or at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	tumor necrosis factor superfamily member 14
Database Link:	<a href="#">Entrez Gene 8740 Human</a> <a href="#">O43557</a>



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<b>Background:</b>	LIGHT is a type II membrane protein belonging to the TNF family of membrane-anchored ligands. It is expressed in splenocytes, activated PBL, CD8+ tumor infiltrating lymphocytes, granulocytes and monocytes. LIGHT has the ability to activate NFkB, stimulate proliferation of lymphocytes, and induce apoptosis in certain human tumor cells. LIGHT binds to three receptors; the herpes virus entry mediator type A receptor (HEVM), LTbR and a decoy receptor (DcR3).
<b>Synonyms:</b>	TNFSF14, HVEM-L, HVEM-L
<b>Protein Families:</b>	Druggable Genome, Secreted Protein, Transmembrane
<b>Protein Pathways:</b>	Cytokine-cytokine receptor interaction