

Product datasheet for **PP1211B1**

LIGHT (TNFSF14) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	ELISA: To detect hLIGHT by direct ELISA (using 100 µl/well antibody solution) this antibody can be used at a concentration of 0.15-0.30 µg/ml. Used in conjunction with compatible secondary reagents, allows the detection of at least 0.2 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:	PBS, pH 7.2 without preservatives. Label: Biotin State: Lyophilized purified Ig fraction. Label: conjugated
Reconstitution Method:	Restore to a concentration of 50 mg/ml with sterile PBS solution containing 0.1% BSA.
Purification:	Affinity chromatography.
Conjugation:	Biotin
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:	Entrez Gene 8740 Human O43557



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Background:	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).
Synonyms:	TNFSF14, HVEM-L, HVEM-L
Protein Families:	Druggable Genome, Secreted Protein, Transmembrane
Protein Pathways:	Cytokine-cytokine receptor interaction