



Anti-Human LIGHT

20150223ML



FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	102-P172
Size:	100 µg
Lot. No.:	According to product label

Preparation: Produced from sera of rabbits pre-immunized with highly pure (>98%) recombinant hLIGHT (human LIGHT). Anti-hLIGHT specific antibody was purified by affinity chromatography employing immobilized hLIGHT matrix.

Target Background

Synonyms (Target):	TNFSF14; LTg; TR2; CD258; HVEM; LIGHT; tumor necrosis factor (ligand) superfamily, member 14
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Human LIGHT is a type II membrane protein that is a member of the TNF superfamily (TNFSF14). LIGHT is an acronym that stands for is homologous to Lymphotoxins, exhibits Inducible expression, and competes with HSV Glycoprotein D for HVEM, a receptor expressed by Tlymphocytes. LIGHT has also been called HVEM-L and LT-gamma.

Database References Target

Protein RefSeq:	NP_003798.2
Uniprot ID:	O43557
mRNA RefSeq:	NM_003807.3

Product Specifications

Species reactivity	Human
Clone/Ab feature	Rabbit IgG
Cross reactivity	Human
Host	Rabbit
Clonality	Polyclonal Antibody
Purification	Antigen-affinity purified
Immunogen	Recombinant Human LIHGT
Formulation	lyophilized from PBS
Reconstitution buffer	water

Reconstitution: Reconstitute the antibody in sterile water to a concentration of 0.1 - 1.0 mg/ml.

Stability: The lyophilized antibody is stable for at least 2 years from date of receipt at -20°C. The reconstituted antibody is stable for at least two weeks at 2-8°C. Frozen aliquots are stable for at least 6 months when stored at -20°C.



AVOID REPEATED FREEZE AND THAW CYCLES!

Applications

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.

Sandwich ELISA: To detect hLIGHT by sandwich ELISA (using 100 µl/well antibody solution) a concentration of 0.5 – 2.0 µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with compatible secondary reagents, allows the detection of at least 0.2 - 0.4 ng/well of recombinant hLIGHT.

NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!