

LIGHT, Human Recombinant

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| CATALOG NO: | P1291-3, 15 | 3 µg, 15 µg |
| ALTERNATE NAMES: | TNFSF14, HVEM-L, Tumor necrosis factor ligand superfamily member 14, Herpes virus entry mediator ligand, Herpesvirus entry mediator ligand, CD258, LIGHT | |
| SOURCE: | Hi-5 Insect cells | |
| PURITY: | ≥ 95% by SDS-PAGE analyses | |
| MOL. WEIGHT: | 20.0-22.5 kDa | |
| FORM: | Lyophilized | |
| STORAGE CONDITIONS: | Store at -20°C. After reconstitution, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles. | |
| BIOLOGICAL ACTIVITY: | Determined by its cytotoxic effect on HT-29 cells (human colon adenocarcinoma cells) in the presence of human IFN-gamma | |
| RECONSTITUTION: | Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C. | |
| DESCRIPTION: | LIGHT belongs to the TNF family of ligands, and can signal through the herpes virus entry mediator type A receptor (HVEM, TNFRSF14), LTβR, or bind to a decoy receptor, DcR3. It is expressed in splenocytes, activated PBL, CD+8 tumor infiltrating lymphocytes, granulocytes, and monocytes. LIGHT has the ability to activate NFκB, to co-stimulate the activation of lymphocytes and to induce apoptosis in certain human tumor cells. Recombinant human LIGHT has a calculated mass of 19.3 kDa containing 177 amino acid residues. Due to glycosylation LIGHT migrates between 20.0-22.5 kDa by SDS-PAGE under non-reducing conditions. | |

RELATED PRODUCTS:

- Human CellExp™ HVEM/TNFRSF14, human recombinant (**Cat. No. 7466**)
- Human CellExp™ CD30 /TNFRSF8, human recombinant (**Cat. No. 7389**)
- Human CellExp™ TNFRSF4/OX40 /CD134, human recombinant (**Cat. No. 7438**)
- TNFRSF6B, human recombinant (**Cat. No. 7329**)
- TNFRSF14/CD258 (Human) ELISA Kit (**Cat. No. k4236**)

FOR RESEARCH USE ONLY! Not to be used on humans.