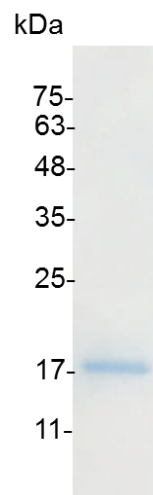


## PRODUCT INFORMATION

**LIGHT, Mouse**

v. 231101

<b>Catalog number</b>	C02047-5UG / C02047-20UG / C02047-100UG
<b>Package</b>	5 µg / 20 µg / 100 µg
<b>Description</b>	<p>LIGHT is a member of the TNF family of ligands, and can conduct signaling through the herpes virus entry mediator type A receptor (HVEM, TNFRSF14), LTβR, or binding to a decoy receptor, DcR3. LIGHT generally expresses in splenocytes, activated PBL, CD8+ tumor infiltrating lymphocytes, granulocytes, and monocytes. LIGHT can also activate NF-κB, to co-stimulate the activation of lymphocytes and induce apoptosis in certain human tumor cells.</p>
<b>Source</b>	<i>Escherichia coli</i>
<b>Sequence</b>	<p>MRLHQRLGDIVAHLDPDGGKGSWEKLIQDQRSHQANPAAHLTGANASLIGIGGP          LLWETRLGLAFLRGLTYHDGALVTMEPGYVYVYSKVQLSGVGCPCQGLANGLPI          THGLYKRTSRYPKELLELLVSRSPCGRANSSRVWWDSSFLGGVVHLEAGEEV          VVRVPGNRLVPRDGRSYFGAFMV with polyhistidine tag at the C-terminus</p>
<b>Endotoxin level</b>	<0.1 EU per 1 µg of the protein by the LAL method.
<b>Activity</b>	Measure by its ability to induce cytotoxicity in HT-29 cells. The ED <sub>50</sub> for this effect is <2 µg/mL.
<b>Purity</b>	>98% as determined by SDS-PAGE.
<b>Form</b>	Lyophilized
<b>Storage Buffer</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
<b>Reconstitution</b>	It is recommended to reconstitute the lyophilized protein in sterile H <sub>2</sub> O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
<b>Stability &amp; Storage</b>	<p>This product is stable after storage at:</p> <ul style="list-style-type: none"> <li>-20°C for 12 months in lyophilized state from date of receipt.</li> <li>-20°C or -80°C for 1 month under sterile conditions after reconstitution.</li> </ul> <p>Avoid repeated freeze/thaw cycles.</p>



SDS-PAGE analysis of recombinant mouse LIGHT

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*For Research Use Only.*