

Product Datasheet

Human LTA protein (orb705222)

Catalog Number	orb705222
Category	Proteins
Description	This Human LTA protein spans the amino acid sequence from region 35-205aa. Purity: Greater than 95% as determined by SDS-PAGE.
Tag	N-terminal 6xHis-tagged
Form/Appearance	Lyophilized powder
Buffer/Preservatives	Lyophilized from a 0.2 µm filtered 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0
Purity	Greater than 95% as determined by SDS-PAGE.
Protein Sequence	LPGVGLTPSAAQTARQHPKMHLAHLSTLKPAAHLIGDPSKQNSLLWRANTDRAFLQDGFSLSNNSLLVPTSGIYFVYSQVVFSGKAYSPKATSSPLYLAHEVQLFSSQYPFHVPLLSSQKMVYPGLQEPWLHSMYHGAAAFQLTQGDQLSTHTDGIPHLVLSPTVFFGAFAL
Protein Length	Full Length of Mature Protein
UniProt ID	P01374
MW	20.8 kDa
Application notes	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Endotoxins	Less than 1.0 EU/µg as determined by LAL method.
Source	Mammalian cell

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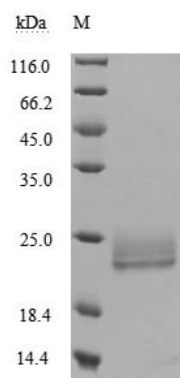
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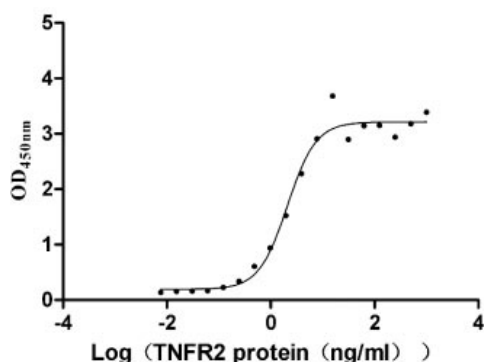
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Biological Origin	Homo sapiens (Human)
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized LTA at 5 µg/ml can bind human TNFRSF1B , the EC50 is 1.632-2.699 ng/ml. Measured by its binding ability in a functional ELISA. Immobilized LTA at 5 µg/ml can bind human TNFR1, the EC50 of human LTA protein is 4.409-6.797 ng/ml.
Expression Region	35-205aa
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Note	For research use only
Expiration Date	6 months from date of receipt.



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



Measured by its binding ability in a functional ELISA. Immobilized LTA at 5 µg/ml can bind human TNFRSF1B, the EC50 is 1.632-2.699 ng/ml.

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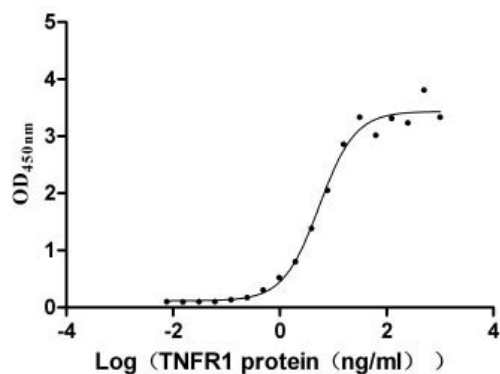
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Measured by its binding ability in a functional ELISA.
Immobilized LTA at 5 µg/ml can bind human TNFR1, the EC50 of human LTA protein is 4.409-6.797 ng/ml.

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