

LRRC15 Protein, Human (HEK293, His-Avi)

Cat. No.:	HY-P78486
Synonyms:	LIB; LRRC15
Species:	Human
Source:	HEK293
Accession:	Q8TF66 (Y22-G538)
Gene ID:	131578
Molecular Weight:	70-80 kDa

PROPERTIES

Biological Activity	Immobilized Human LRRC15, His Tag at 2µg/ml (100µl/Well) on the plate. Dose response curve for Anti-LRRC15 Antibody, hFc Tag with the EC ₅₀ of 11.1ng/ml determined by ELISA.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4. Normally 5% trehalose is added as protectant before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	The LRRC15 protein modulates the infectivity of SARS-CoV-2 by interacting with its spike protein. It does not function as an entry receptor for SARS-CoV-2, but instead, when expressed on nearby cells, it sequesters virions and inhibits SARS-CoV-2 infection of ACE2(+) cells in a trans manner. Furthermore, LRRC15 protein directly interacts with the RBD domain of the human coronavirus SARS-CoV-2 spike protein, leading to virion sequestration at the cell surface.
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Caution: Product has not been fully validated for medical applications. For research use only.

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