

LRRC15 Protein, Cynomolgus (HEK293, His)

Cat. No.:	HY-P700892
Synonyms:	LIB; LRRC15; EGM_11224
Species:	Cynomolgus
Source:	HEK293
Accession:	A0A2K5UKB6 (Y22-G538)
Gene ID:	102144360
Molecular Weight:	70-80 kDa

PROPERTIES

Biological Activity	Immobilized Cynomolgus LRRC15, His Tag at 5µg/ml (100µl/Well) on the plate. Dose response curve for Anti-LRRC15 Antibody, hFc Tag with the EC ₅₀ of 22.9ng/ml determined by ELISA.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4. Normally 8% 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	LRRC15 is a cell membrane-expressed protein belonging to the LRR superfamily. Involved in cell-cell and cell-ECM interactions. The LRRC15 protein regulates the infectivity of SARS-CoV-2 by interacting with its spike protein. It does not act as an entry receptor for SARS-CoV-2, but when it is expressed on nearby cells, it isolates virions and trans inhibits SARS-CoV-2 infection of ACE2 (+) cells. In addition, the LRRC15 protein directly interacts with the RBD domain of the human coronavirus SARS-CoV-2 spike protein, resulting in the isolation of virions on the cell surface. LRRC15 activates the β1-integrin /FAK signaling pathway to promote ovarian cancer metastasis, and the LRRC15-targeted antibody-drug conjugate ABBV-085 was found to inhibit ovarian cancer metastasis in preclinical models ^{[1][2][3]} .
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Caution: Product has not been fully validated for medical applications. For research use only.

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