

Anti-LRRC32 / TGFβ1 Reference Antibody (Livmoniplimab)

Recombinant Antibody
Catalog # APR10740

Product Information

Application	FC, Kinetics, Animal Model
Primary Accession	Q14392
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG4SP
Calculated MW	71979

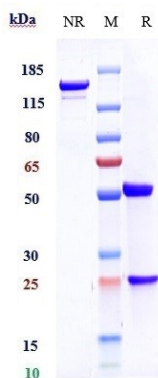
Additional Information

Target/Specificity	LRRC32 / TGFβ1
Endotoxin Conjugation	Unconjugated
Expression system	CHO Cell
Format	Purified monoclonal antibody supplied in PBS, pH6.0, without preservative. This antibody is purified through a protein A column.

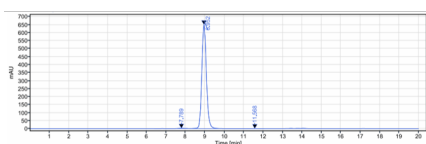
Protein Information

Name	LRRC32 {ECO:0000303 PubMed:19651619, ECO:0000312 HGNC:HGNC:4161}
Function	Key regulator of transforming growth factor beta (TGFB1, TGFB2 and TGFB3) that controls TGF-beta activation by maintaining it in a latent state during storage in extracellular space (PubMed: 19651619 , PubMed: 19750484 , PubMed: 22278742). Associates specifically via disulfide bonds with the Latency-associated peptide (LAP), which is the regulatory chain of TGF-beta, and regulates integrin-dependent activation of TGF-beta (PubMed: 22278742). Able to outcompete LTBP1 for binding to LAP regulatory chain of TGF-beta (PubMed: 22278742). Controls activation of TGF-beta-1 (TGFB1) on the surface of activated regulatory T-cells (Tregs) (PubMed: 19651619 , PubMed: 19750484). Required for epithelial fusion during palate development by regulating activation of TGF-beta-3 (TGFB3) (By similarity).
Cellular Location	Cell membrane; Single-pass type I membrane protein. Cell surface
Tissue Location	Preferentially expressed in regulatory T-cells (Tregs).

Images



Anti-LRRC32 / TGF β 1 Reference Antibody (Livmoniplimab) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%



The purity of Anti-LRRC32 / TGF β 1 Reference Antibody (Livmoniplimab) is more than 99.25% ,determined by SEC-HPLC.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.