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Anti-LRRC32 / TGFβ1 Reference Antibody (Livmoniplimab)

Recombinant Antibody
Catalog # APR10740

Specification

Anti-LRRC32 / TGFβ1 Reference Antibody (Livmoniplimab) - Product Information

Application	**FC, Kinetics, Animal Model**
Primary Accession	Q14392
Reactivity	**Human**
Clonality	**Monoclonal**
Isotype	**IgG4SP**
Calculated MW	**146.22 KDa**

Anti-LRRC32 / TGFβ1 Reference Antibody (Livmoniplimab) - Additional Information

Target/Specificity
LRRC32 / TGFβ1

Endotoxin
< 0.001EU/ μg,determined by LAL method.

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.

Anti-LRRC32 / TGFβ1 Reference Antibody (Livmoniplimab) - 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:<a

href="http://www.uniprot.org/citations/19750484" target="_blank">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

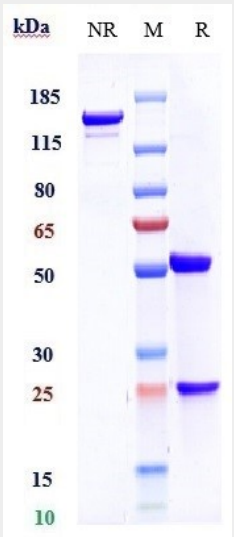
Tissue Location
Preferentially expressed in regulatory T-cells (Tregs).

Anti-LRRC32 / TGFβ1 Reference Antibody (Livmoniplimab) - Protocols

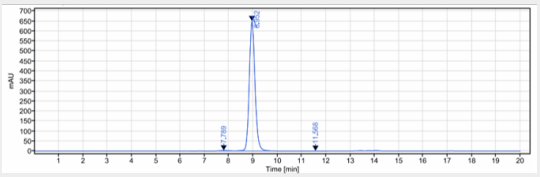
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-LRRC32 / TGFβ1 Reference Antibody (Livmoniplimab) - Images



Anti-LRRC32 / TGFβ1 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 / TGFβ1 Reference Antibody (Livmoniplimab) is more than 99.25% ,determined by SEC-HPLC.