

**Anti-LRRC32 / TGF $\beta$ 1 Reference Antibody (Livmoniplimab)  
Recombinant Antibody  
Catalog # APR10740****Specification**

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**Anti-LRRC32 / TGF $\beta$ 1 Reference Antibody (Livmoniplimab) - Product Information**

Application	FC, E, FTA
Primary Accession	<a href="#">Q14392</a>
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG4SP
Calculated MW	146.22 KDa

**Anti-LRRC32 / TGF $\beta$ 1 Reference Antibody (Livmoniplimab) - Additional Information****Target/Specificity**  
LRRC32 / TGF $\beta$ 1**Endotoxin**  
< 0.001EU/  $\mu$ g, 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 / TGF $\beta$ 1 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](http://www.uniprot.org/citations/19651619), PubMed: [19750484](http://www.uniprot.org/citations/19750484), PubMed: [22278742](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/22278742)). Able to outcompete LTBP1 for binding to LAP regulatory chain of TGF-beta (PubMed: [22278742](http://www.uniprot.org/citations/22278742)). Controls activation of TGF-beta-1 (TGFB1) on the surface of activated regulatory T-cells (Tregs) (PubMed: [19651619](http://www.uniprot.org/citations/19651619), PubMed: [19651619](http://www.uniprot.org/citations/19651619)).

href="http://www.uniprot.org/citations/19750484" target="\_blank">19750484</a>). 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

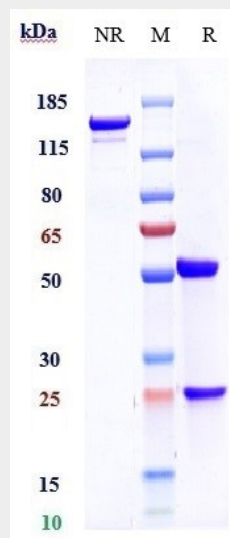
Preferentially expressed in regulatory T-cells (Tregs).

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

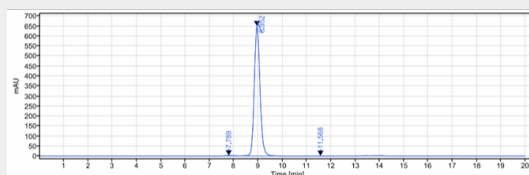
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [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.