

**Anti-TGFb1 Reference Antibody (fresolimumab)  
Recombinant Antibody  
Catalog # APR10182**

**Specification**

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**Anti-TGFb1 Reference Antibody (fresolimumab) - Product Information**

Application	FC, E, FTA
Primary Accession	<a href="#">P01137</a>
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	IgG4SP
Calculated MW	144.4 KDa

**Anti-TGFb1 Reference Antibody (fresolimumab) - Additional Information**

**Target/Specificity**  
TGFb1

**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-TGFb1 Reference Antibody (fresolimumab) - Protein Information**

**Name** TGFB1 ([HGNC:11766](#))

**Synonyms** TGFB

**Function**  
Transforming growth factor beta-1 proprotein: Precursor of the Latency-associated peptide (LAP) and Transforming growth factor beta-1 (TGF-beta-1) chains, which constitute the regulatory and active subunit of TGF-beta-1, respectively.

**Cellular Location**  
[Latency-associated peptide]: Secreted, extracellular space, extracellular matrix

**Tissue Location**  
Highly expressed in bone (PubMed:11746498, PubMed:17827158). Abundantly expressed in articular cartilage and chondrocytes and is increased in osteoarthritis (OA) (PubMed:11746498,

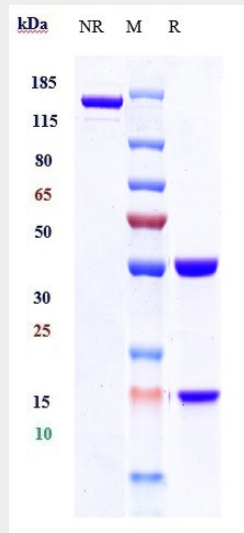
PubMed:17827158). Colocalizes with ASPN in chondrocytes within OA lesions of articular cartilage (PubMed:17827158)

### Anti-TGFb1 Reference Antibody (fresolimumab) - Protocols

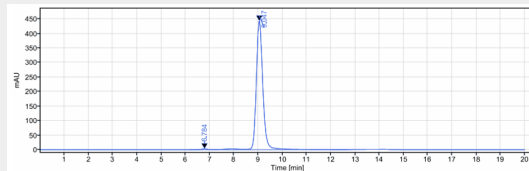
Provided below are standard protocols that you may find useful for product applications.

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

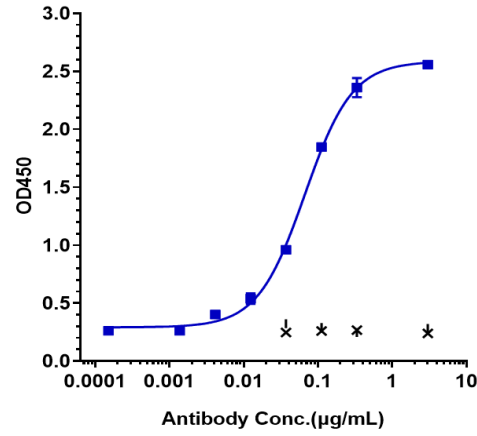
### Anti-TGFb1 Reference Antibody (fresolimumab) - Images



Anti-TGFb1 Reference Antibody (fresolimumab) 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-TGFb1 Reference Antibody (fresolimumab) is more than 97.38% ,determined by SEC-HPLC.



Immobilized human Latent TGF beta 1/TGFB 1, His Tag at 2 µg/mL can bind Anti-TGFb1 Reference Antibody (fresolimumab)  $EC_{50}=0.06648$  µg/mL