

# Anti-TGFb1 Reference Antibody (Linavonkibart)

Catalog # APR11250

## Product Information

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|--------------------------|----------------------------------------------------------------|
| <b>Application</b>       | Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA |
| <b>Primary Accession</b> | <a href="#">P01137</a>                                         |
| <b>Reactivity</b>        | Human                                                          |
| <b>Clonality</b>         | Monoclonal                                                     |
| <b>Isotype</b>           | IgG4SP                                                         |
| <b>Calculated MW</b>     | 44325                                                          |

## Additional Information

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|---------------------------|-------|
| <b>Target/Specificity</b> | TGFb1 |
| <b>Expression system</b>  | CHO   |

## Protein Information

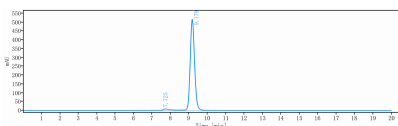
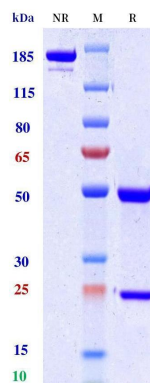
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|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name</b>              | TGFB1 ( <a href="#">HGNC:11766</a> )                                                                                                                                                                                                                                                                   |
| <b>Synonyms</b>          | TGFB                                                                                                                                                                                                                                                                                                   |
| <b>Function</b>          | 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.                                                             |
| <b>Cellular Location</b> | [Latency-associated peptide]: Secreted, extracellular space, extracellular matrix                                                                                                                                                                                                                      |
| <b>Tissue Location</b>   | 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) |

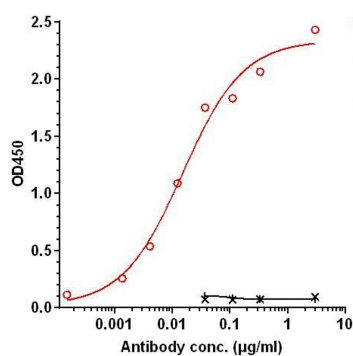
## Images

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Anti-TGFb1 Reference Antibody (Linavonkibart) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.



The purity of Anti-TGFb1 Reference Antibody (Linavonkibart) is 95.7%, determined by SEC-HPLC.



Immobilized PHA949 Human TGFb1, His Tag at 2 µg/mL can bind Linavonkibart, EC50= 0.01528 µg/mL.

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