10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# TGF-β1 Blocking Peptide
**Catalog # PBV10491b**

## Specification

### TGF-β1 Blocking Peptide - Product Information

| | |
|---|---|
| Primary Accession | P01137 |
| Gene ID | 7040 |
| Calculated MW | 44325 |

### TGF-β1 Blocking Peptide - Additional Information

**Gene ID** 7040

| | |
|---|---|
| Application & Usage | **The peptide is used for blocking the antibody activity of TGF-β1. It usually blocks the antibody activity completely in Western blot analysis by incubating the peptide with equal volume of antibody for 30-60 minutes at 37°C.** |

**Other Names**
Transforming growth factor beta-1, TGF-beta-1, Latency-associated peptide, LAP, TGFB1, TGFB

**Target/Specificity**
TGF-β1

**Formulation**
50 µg (0.5 mg/ml) in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA and 0.02% thimerosal.

**Reconstitution & Storage**
-20 °C

**Background Descriptions**

**Precautions**
TGF-β1 Blocking Peptide is for research use only and not for use in diagnostic or therapeutic procedures.

### TGF-β1 Blocking Peptide - 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)

## TGF-β1 Blocking Peptide - 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

## TGF-β1 Blocking Peptide - Images