

Rat TGF-Beta 3 ELISA Kit

Catalog No: #EK5474

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Description

Product Name	Rat TGF-Beta 3 ELISA Kit
Specificity	Rat
Crossing Reactivity	There is no detectable cross-reactivity with other relevant proteins.
Immunogen Type	sf21,A301-S412
Other Names	Transforming growth factor beta-3; TGF-beta-3; Latency-associated peptide; LAP; Tgfb3; Tgf-b3;
Accession No.	Q07258
Uniprot	Q07258
GeneID	25717;
Cell Localization	Secreted.

Application Details

sensitivity:10pg mlDetect Range:31.2pg ml-2000pg mlsample_type:cell culture supernates serum plasma(EDTA) and urine.capture_antibody:monoclonal antibody from mousedetection_antibody:polyclonal antibody from goatgene_name:TGFB3protein_name:Transforming growth factor beta-3gene_full_name:Transforming growth factor beta-3tissue_specificity:sequence_similarities:tmb_incubation:25-30minresearch_category:TGFB3

Product Description

Sandwich High Sensitivity ELISA kit for Quantitative Detection of activated Rat TGF-beta 3

Background

protein_function: Involved in embryogenesis and cell differentiation.Transforming growth factor beta 3(TGF-beta 3) is a type of protein, known as a cytokine, which is involved in cell differentiation, embryogenesis and development. It belongs to a large family of cytokines called the Transforming growth factor beta superfamily. TGF-beta 3 is believed to regulate molecules involved in cellular adhesion and extracellular matrix(ECM) formation during the process of palate development. Without TGF-beta 3, mammals develop a deformity known as a cleft palate. This is caused by failure of epithelial cells in both sides of the developing palate to fuse. TGF-beta 3 also plays an essential role in controlling the development of lungs in mammals, by also regulating cell adhesion and ECM formation in this tissue, and controls wound healing by regulating the movements of epidermal and dermal cells in injured skin. TGF-beta 3 activated Lef1 in the absence of beta-catenin(CTNNB1) via nuclear phospho-Smad2 and Smad4.

Note: This product is for in vitro research use only