

Datasheet

Human TGF- β 1

Catalog Number:	PR15009	Product Type:	Protein
Source:	Purified from human platelets. The human platelets used for the isolation of this product were certified by the supplier to be HIV-1 and HBsAg negative at the time of shipment. Human blood products should always be treated in accordance with universal handling precautions.		
Molecular Mass:	The mature disulfide-linked homodimeric human TGF- β 1 contains two 112 amino acid residue peptides and has a predicted molecular mass of approximately 25 kDa.		
Purity:	> 97%, as determined by SDS-PAGE and visualized by silver stain.		
Endotoxin level:	< 1.0 EU per 1 μ g of the cytokine as determined by the LAL method.		
Activity:	Measured by its ability to inhibit the IL-4-dependent proliferation of mouse HT-2 cells. Resazurin dye was used in the assay as a fluorescence indicator for cell proliferation (Tsang, M. <i>et al.</i> , 1995, Cytokine 7:389). The ED ₅₀ for this effect is typically 0.04 - 0.1 ng/mL.		
Format:	Lyophilized from a 0.2 μ m filtered solution in 35% acetonitrile and 0.1% TFA, containing 50 μ g of bovine serum albumin per 1 μ g of cytokine. <i>Reconstitution:</i> It is recommended that sterile 4 mM HCl containing at least 0.1% human serum albumin or bovine serum albumin be added to the vial to prepare a stock solution of no less than 1 μ g/mL.		
Storage:	Lyophilized samples are stable for up to twelve months from date of receipt at -20° C to -70° C. Upon reconstitution, this cytokine can be stored under sterile conditions at 2° - 8° C for one month or at -20° C to -70° C in a manual defrost freezer for three months without detectable loss of activity. Avoid repeated freeze-thaw cycles.		

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