Human TGF-beta 1 Recombinant Protein

Product Details	
Size	5 µg
Species	Human
Expression system	CHO cells
Amino acid sequence	Human TGF-beta 1 recombinant protein is a homodimer consisting of two disulfide-linked 112 amino acid subunits
Molecular weight	25 kDa
Class	Recombinant
Type	Protein
Purity	>98% by SDS-PAGE
Endotoxin concentration	<0.1 ng/µg
Activity	ED50 0.05 ng/mL; determined by the dose-dependent inhibition of mouse IL-4-dependent mouse HT-2 cell proliferation.
Conjugate	Unconjugated
Form	Lyophilized
Purification	sequential chromatography
Contains	no preservative
Storage conditions	-20°C

Applications	Tested Dilution	Publications
Western Blot (WB)	Assay-dependent	-
Immunohistochemistry (IHC)	Assay-dependent	-
ELISA (ELISA)	Assay-dependent	-
Functional Assay (FN)	Assay-dependent	-
Control (Ctrl)	Assay-dependent	-

Product Specific Information

Reconstitution: We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. This lyohpilized protein should be reconstituted in water to a concentration of 0.1-1.0 mg/mL. Do not vortex. This solution can be stored at 2°C to 8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein, such as 0.1% BSA and store in working aliquots at -20°C to -80°C.

Storage: The lyophilized protein is stable at room temperature for 1 month, but should be kept at -20°C to -80°C for long term storage, preferably desiccated. Working aliquots stored with a carrier protein are stable for at least 12 months at -20°C to -80° C. Avoid repeated freeze/thaw cycles.

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