



RayBiotech, Inc.

3607 Parkway Lane suite 200
Norcross, GA 30092
Tel: 770-729-2992, 1-888-494-8555
Fax: 770-206-2393
Website: www.raybiotech.com
Email: info@raybiotech.com

Certificate of Analysis and Data Sheet Recombinant Human TGF Beta 1

Catalog No.
DS-01-0415

Target Species
Human

Preparation

Recombinant protein prepared from CHO cells

Formulation

Product Form: Purified recombinant protein - lyophilized

Buffer Solution: 10mM Sodium Citrate buffer, pH 3.5

Preservative Stabilizers: None present

Reconstitution: Reconstitute in 50ul of 10mM citric acid, pH3.0. Further dilutions should be made in buffer containing carrier protein (such as 0.1% BSA). Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. RayBiotech recommends that the vial is gently mixed after reconstitution.

Molecular Weight: 25.0 kDa (2x identical 112 amino acid polypeptide chains)

Purity: >98% by SDS PAGE and HPLC

Endotoxin Level: <0.1ng/ug

Approx. Protein Concentrations: 0.1mg/ml after reconstitution

Activity: 2×10^7 units/mg

Specificity

Transforming growth factor beta-1 (TGF-beta1) is a homodimeric protein that regulates the proliferation and differentiation of normal and transformed cells. TGF-beta 1 is the most abundant isoform which is secreted by most cell types.

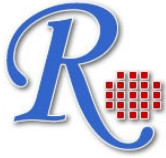
Applications

Table Summary of protein applications and working conditions

Options / Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Functional Assays	•			
ELISA			•	

Note: Other applications have not been tested. Optimal dilutions should be determined by each laboratory for each application.

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**



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Storage

Prior to reconstitution store at 4°C. Following reconstitution store at -20°C.

Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life: 3 months from date of reconstitution

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