

Datasheet: PHP037

BATCH NUMBER 166427

Description:	RECOMBINANT HUMAN TGF ALPHA
Name:	TGF ALPHA
Other names:	TRANSFORMING GROWTH FACTOR ALPHA
Format:	Rec. Protein
Product Type:	Recombinant Protein
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
ELISA	▪			0.2 - 0.4ng/well
Western Blotting	▪			1.5 - 3.0ng/lane
Functional Assays	▪			0.5 - 25ng/ml

Where this protein has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

Target Species	Human
Species Cross Reactivity	<p>Reacts with: Mouse</p> <p>N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.</p>
Product Form	Recombinant protein - lyophilized
Reconstitution	<p>Reconstitute with 0.1ml distilled water</p> <p>Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution. For extended storage the addition of 0.1% bovine serum albumin (BSA) is recommended.</p>
Preparation	Recombinant protein expressed in <i>E. coli</i> .

Source	E.coli
Preservative Stabilisers	None present
Carrier Free	Yes
Endotoxin Level	< 0.1 ng/ug
Approx. Protein Concentrations	1.0 mg/ml after reconstitution
External Database Links	<p>UniProt: P01135 Related reagents</p> <p>Entrez Gene: 7039 TGFA Related reagents</p>
Product Information	Recombinant human TGFα is a 5.5kDa peptide corresponding to full-length mature human transforming growth factor alpha. TGFα is an EGF-related growth factor that stimulates the proliferation of epidermal and epithelial cells.
Protein Molecular Weight	5.5kD (50 Amino Acid Sequence)
Activity	>5 x 10 ⁶ Units/mg
Purity	>98% by SDS PAGE and HPLC
ELISA	Recombinant human TGFα may be used as a standard for ELISA applications with purified human TGFα antibody (AHP284G).
Western Blotting	Recombinant human TGFα may be used as the positive control for Western Blotting applications with purified human TGFα antibody (AHP284G).
Storage	<p>Prior to reconstitution store at -20°C. Following reconstitution store at -20°C.</p> <p>This product should be stored undiluted.</p> <p>Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the protein. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
Guarantee	Guaranteed for 3 months from the date of reconstitution or until the date of expiry, whichever comes first. Please see label for expiry date.
Health And Safety Information	Material Safety Datasheet documentation #10527 available at: https://www.bio-rad-antibodies.com/SDS/PHP037

Regulatory For research purposes only

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
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