

## Datasheet: PHP052

<b>Description:</b>	RECOMBINANT HUMAN TNF BETA
<b>Name:</b>	TNF BETA
<b>Other names:</b>	LT-ALPHA
<b>Format:</b>	Rec. Protein
<b>Product Type:</b>	Recombinant Protein
<b>Quantity:</b>	20 µg

## 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.abdserotec.com/protocols](http://www.abdserotec.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
ELISA			■	
Cytotoxic Assays	■			0.05ng/ml - 10ng/ml
Functional Assays			■	

Where this product 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 product for use in their own system using appropriate negative/positive controls.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified recombinant protein - lyophilised
<b>Reconstitution</b>	Reconstitute with 20 ul distilled water
<b>Note</b>	Centrifuge prior to opening. Do not vortex.
<b>Preparation</b>	Recombinant protein prepared in <i>Escherichia coli</i>
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	None present
<b>Endotoxin Level</b>	< 0.1 ng/ug of TNF-beta (<1 EU/ug)
<b>Approx. Protein Concentrations</b>	1.0 mg/ml after reconstitution
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P01374</a>   <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">4049</a> LTA   <a href="#">Related reagents</a></p>
<b>Synonyms</b>	TNFB, TNFSF1
<b>Product Information</b>	Tumour necrosis factor beta (TNFbeta) is a lymphoid factor which exerts cytotoxic effects on a wide range of tumour cells.

<b>Molecular Weight</b>	18.6kD (172 amino acid sequence)
<b>Activity</b>	>2 x 10 <sup>7</sup> units/mg
<b>Purity</b>	>98% by SDS PAGE and HPLC analysis
<b>Storage</b>	Prior to reconstitution store at +4°C. Following reconstitution store at -20°C.

This product should be stored undiluted.

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.

<b>Shelf Life</b>	3 months from date of reconstitution.
<b>Health And Safety Information</b>	Material Safety Datasheet Documentation #10209 available at: <a href="http://www.abdserotec.com/uploads/MSDS/10209.pdf">http://www.abdserotec.com/uploads/MSDS/10209.pdf</a>
<b>Regulatory</b>	For research purposes only

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