

Datasheet: PHP086A

Description:	RECOMBINANT HUMAN THROMBOPOIETIN
Name:	THROMBOPOIETIN
Other names:	TPO
Format:	Rec. Protein
Product Type:	Recombinant Protein
Quantity:	2 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.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
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.

Target Species	Human
Product Form	Purified recombinant protein expressed in <i>E. coli</i> - lyophilised
Reconstitution	Reconstitute with 20 ul distilled water. Recombinant Human Thrombopoietin
Buffer Solution	0.1% Trifluoroacetic acid
Preservative Stabilisers	None present
Endotoxin Level	<0.1 ng/ug
Approx. Protein Concentrations	0.1 mg/ml after reconstitution
External Database Links	<p>UniProt: P40225 Related reagents</p> <p>Entrez Gene: 7066 THPO Related reagents</p>
Synonyms	MGDF
Product Information	Recombinant Human Thrombopoietin is an <i>E.coli</i> derived protein corresponding to human

thrombopoietin (TPO), also known as the Mp1-ligand, MGDF. TPO stimulates the proliferation and maturation of megakaryocytes and promotes increased circulating levels of platelets *in vivo*. This preparation of Recombinant Human Thrombopoietin comprises the receptor binding domain of Mpl-ligand protein. ED50 <1.0ng/ml determined by dose-dependent stimulation of M07e cells, corresponding to a specific activity of > 1 x 10⁶ units/mg.

Protein Molecular Weight

18.6kDa (174 amino acid sequence)

Purity

>98% by SDS PAGE and HPLC analysis

Storage

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.

Shelf Life

3 months from date of reconstitution.

Health And Safety Information

Material Safety Datasheet documentation available at:
Material Safety Datasheet Documentation #10240 available at:
<https://www.bio-rad-antibodies.com/uploads/MSDS/10240.pdf>

Regulatory

For research purposes only

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