

Datasheet: PHP085

Description:	RECOMBINANT HUMAN Flt3 LIGAND
Name:	Flt3 LIGAND
Format:	Rec. Protein
Product Type:	Recombinant Protein
Quantity:	10 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
ELISA			■	
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 - lyophilised
Reconstitution	Reconstitute with 0.1ml distilled water. 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.
Preparation	Recombinant protein expressed in <i>E. coli</i>
Preservative Stabilisers	None present
Endotoxin Level	<0.1 ng/ug
Approx. Protein Concentrations	0.1 mg/ml
External Database Links	UniProt: P49771 Related reagents

Entrez Gene:[2323](#) FLT3LG [Related reagents](#)

Product Information	Recombinant Human Flt3 Ligand is an <i>E. coli</i> derived polypeptide corresponding to the human Flt3 ligand, a soluble polypeptide comprising the extracellular domain of the transmembrane flt-3 ligand protein. Flt-3 ligand stimulates the proliferation and colony formation of certain BM precursor cells, including CD34 +ve cells. The biological activity was determined by dose-dependent stimulation of the proliferation of human AML5 cells giving an ED ₅₀ of 1.0ng/ml.
Protein Molecular Weight	17.6kDa (155 Amino acid sequence)
Activity	1 x 10 ⁶ units/mg
Purity	>98% by SDS PAGE and HPLC
References	1. Timeus, F. <i>et al.</i> (1998) Cell adhesion molecule expression in cord blood CD34+ cells. Stem Cells. 16: 120 - 126. 2. Casazza, A. <i>et al.</i> (2011) Systemic and targeted delivery of semaphorin 3A inhibits tumor angiogenesis and progression in mouse tumor models. Arterioscler Thromb Vasc Biol. 31: 741-9.
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.
Guarantee	3 months from date of reconstitution.
Health And Safety Information	Material Safety Datasheet documentation #10268 available at: 10268: https://www.bio-rad-antibodies.com/uploads/MSDS/10268.pdf
Regulatory	For research purposes only

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