Datasheet: PHP122

Description:	RECOMBINANT HUMAN SDF-1 ALPHA
Name:	SDF-1 ALPHA
Other names:	CXCL12a
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	▪			0.2 - 0.4ng/well
Western Blotting	▪			1.5 - 3.0ng/lane
Functional Assays	▪			20ng/ml - 80ng/ml

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 - lyophilized

Reconstitution

Reconstitute with 0.1 ml 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 prepared in *E.coli*

Source

E.coli

Preservative Stabilisers

None present

Carrier Free

Yes

Endotoxin Level

< 0.1 ng/ug

Approx. Protein Concentrations	0.1 mg/ml after reconstitution
External Database Links	**UniProt:** P48061 Related reagents **Entrez Gene:** 6387 CXCL12 Related reagents
Synonyms	SDF1, SDF1A, SDF1B
Product Information	Stromal cell derived factor 1 alpha (SDF-1 alpha) belongs to the C-X-C family of human chemokines.
Protein Molecular Weight	8.0 kDa (68 amino acid sequence)
Purity	>98% by SDS PAGE and HPLC
ELISA	PHP122 may be used in ELISA applications with either AHP794 or AHP794B.
Western Blotting	PHP122 may be used under reducing or non-reducing western blotting conditions with either AHP794 or AHP794B.
Storage	Prior to reconstitution store at -20°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	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 #10268 available at: https://www.bio-rad-antibodies.com/SDS/PHP122 10268
Regulatory	For research purposes only

Related Products

Recommended Useful Reagents

RABBIT ANTI HUMAN SDF-1 ALPHA (AHP794)
RABBIT ANTI HUMAN SDF-1 ALPHA:Biotin (AHP794B)

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

North & South America Tel: +1 800 265 7376
Fax: +1 919 878 3751
Email: antibody_sales_us@bio-rad.com

Worldwide Tel: +44 (0)1865 852 700
Fax: +44 (0)1865 852 739
Email: antibody_sales_uk@bio-rad.com

Europe Tel: +49 (0) 89 8090 95 21
Fax: +49 (0) 89 8090 95 50
Email: antibody_sales_de@bio-rad.com

'M420096:230706'

Printed on 18 Jan 2024

© 2024 Bio-Rad Laboratories Inc | Legal | Imprint