

# Product Datasheet

## Rat CXCL12/SDF-1 ELISA Kit (Colorimetric) NBP3-11823

Unit Size: 1 Kit

Storage of components varies. See protocol for specific instructions.

[www.novusbio.com](http://www.novusbio.com)



[technical@novusbio.com](mailto:technical@novusbio.com)

### Publications: 1

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NBP3-11823](http://www.novusbio.com/NBP3-11823)

Updated 10/4/2021 v.20.1

Earn rewards for product  
reviews and publications.

Submit a publication at [www.novusbio.com/publications](http://www.novusbio.com/publications)

Submit a review at [www.novusbio.com/reviews/destination/NBP3-11823](http://www.novusbio.com/reviews/destination/NBP3-11823)

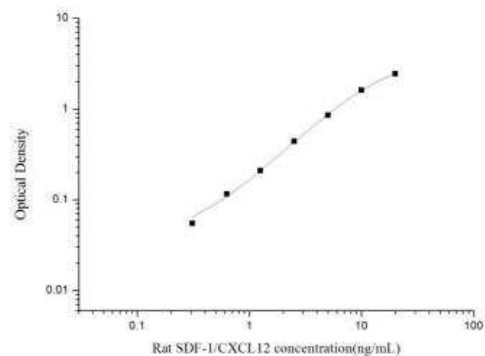


**NBP3-11823****Rat CXCL12/SDF-1 ELISA Kit (Colorimetric)**

<b>Product Information</b>	
<b>Unit Size</b>	1 Kit
<b>Concentration</b>	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
<b>Storage</b>	Storage of components varies. See protocol for specific instructions.
<b>Product Description</b>	
<b>Description</b>	This ELISA kit applies to the in vitro quantitative determination of Rat SDF-1/CXCL12 concentrations in serum, plasma and other biological fluids.
<b>Gene ID</b>	6387
<b>Gene Symbol</b>	CXCL12
<b>Species</b>	Rat
<b>Specificity/Sensitivity</b>	This kit recognizes Rat SDF-1/CXCL12 in samples. No significant cross-reactivity or interference between Rat SDF-1/CXCL12 and analogues was observed.
<b>Kit Components</b>	Micro ELISA Plate, Reference Standard, Concentrated Biotinylated Detection Antibody, Concentrated HRP Conjugate, HRP Conjugate Diluent, Reference Standard & Sample Diluent, Biotinylated Detection Antibody Diluent, Concentrated Wash Buffer, Substrate Reagent, Stop Solution, Plate Sealer
<b>Standard Curve Range</b>	0.31 - 20 ng/mL
<b>Sensitivity</b>	0.19 ng/mL
<b>Inter Assay</b>	%CV < 5.38
<b>Intra Assay</b>	%CV < 5.62
<b>Assay Type</b>	Sandwich-ELISA
<b>Spiking Recovery</b>	83 - 106%
<b>Suitable Sample Type</b>	Serum, plasma and other biological fluids
<b>Sample Volume</b>	100 uL
<b>Product Application Details</b>	
<b>Applications</b>	ELISA
<b>Recommended Dilutions</b>	ELISA

**Images**

ELISA: CXCL12/SDF-1 ELISA Kit (Colorimetric) [NBP3-11823] - Representative standard curve.



## Publications

Gui M, Huang J, Sheng H et al. High-Dose Vitamin C Alleviates Pancreatic Necrosis by Inhibiting Platelet Activation Through the CXCL12/CXCR4 Pathway in Severe Acute Pancreatitis Journal of inflammation research 2023-07-10 [PMID: 37456783] (ELISA)





### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NBP3-11823**

---

NBP2-52161-0.02mg	Recombinant Mouse CXCL12/SDF-1 His Protein
210-TA-005	TNF-alpha [Unconjugated]
MAB350-100	CXCL12/SDF-1 Antibody (79018) [Unconjugated]
D6050	IL-6 [HRP]

---

### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. ELISA Kits are guaranteed for 6 months from date of receipt.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

Earn gift cards/discounts by submitting a review: [www.novusbio.com/reviews/submit/NBP3-11823](http://www.novusbio.com/reviews/submit/NBP3-11823)

Earn gift cards/discounts by submitting a publication using this product:  
[www.novusbio.com/publications](http://www.novusbio.com/publications)

