

# Product Datasheet

## CXCR4 Antibody NBP1-21437

Unit Size: 0.05 mg

Store at -20C. Avoid freeze-thaw cycles.

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**NBP1-21437****CXCR4 Antibody**

<b>Product Information</b>	
<b>Unit Size</b>	0.05 mg
<b>Concentration</b>	1.0 mg/ml
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.1% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	PBS, 0.1% BSA

<b>Product Description</b>	
<b>Host</b>	Goat
<b>Gene ID</b>	7852
<b>Gene Symbol</b>	CXCR4
<b>Species</b>	Mouse, Xenopus
<b>Specificity/Sensitivity</b>	NBP1-21437 recognizes an epitope within the N-terminal (NT) region of mouse CD184, otherwise known as CXCR4 (C-X-C chemokine receptor type 4), a transmembrane glycoprotein and member of the G-protein coupled receptor 1 family, ubiquitously expressed in blood and tissue cells, which acts as a specific receptor for the chemokine SDF-1 (Stromal cell-derived factor 1). Interaction of CD184 with SDF-1 mediates the chemotaxis of progenitor and mature blood cells, and is critical for B-lymphopoiesis and myelopoiesis. CD184 is a major co-receptor for infection by T-cell tropic strains of HIV1, and also a primary receptor for some HIV2 isolates. NBP1-21437 is reported as suitable for use in immunocytochemistry on mouse spleen leucocytes.
<b>Immunogen</b>	Synthetic peptide YSEEVGSGDYDSNKEPCFRDENVHFNR corresponding to amino acids 14-40 within the N terminal region of mouse CD184.

<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 1:1000, ELISA 1:50000, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Paraffin 1:300
<b>Application Notes</b>	Feedback on frozen sections has been negative. Other histochemical applications have worked.





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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis.  
Primary Antibodies are guaranteed for 1 year from date of receipt.

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

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