



Data Sheet (DS) 7TM0071N-RM

Issuing Date: 2026-06-22

Description	CXCR4 [UMB22] (RM-non-phospho), CXC Chemokine Receptor 4 Antibody, Rabbit Monoclonal
Format	Purified, Liquid
Product Type	Rabbit Monoclonal Antibody
Isotype	Polyclonal IgG
Quantity	100 µl

Product Details

Applications	This product has been reported to work in the following applications: <table><tr><td></td><td>Dilution</td></tr><tr><td>Western Blot</td><td>1:1000</td></tr><tr><td>Immunohistochemistry</td><td>1:100</td></tr><tr><td>Immunocytochemistry</td><td>1:200</td></tr></table> This information is derived from testing within our laboratories and peer-reviewed publications. Please refer to references indicated for further information. For general protocol recommendations, please visit https://7tmantibodies.com/7tm-antibodies-support/7tm-protocols/ 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.			Dilution	Western Blot	1:1000	Immunohistochemistry	1:100	Immunocytochemistry	1:200
	Dilution									
Western Blot	1:1000									
Immunohistochemistry	1:100									
Immunocytochemistry	1:200									
Target Species	Human									
Product Form	Purified IgG, liquid									
Antiserum Preparation	Purified IgG prepared by affinity chromatography of Protein A from animal origin-free culture supernatant.									
Immunogen	A synthetic peptide with the sequence KGKRGGHSSVSTESSESSSFHSS corresponding to residues 338-359 in human, mouse and rat CXCR4.									
Storage Buffer	Dulbecco's PBS, pH 7.4, with 150 mM NaCl, 0.02% sodium azide									
Specificity	The non-phospho-CXCR4 receptor antibody is directed against the distal end of the carboxyl-terminal tail of mouse, rat and human CXCR4. It can be used to detect CXCR4 receptors in Western blots in a phosphorylation-sensitive manner. After agonist activation CXCR4 is phosphorylated at S346/S347. Because the CXCR4 antibody detects the same epitope, it no longer binds to the receptor. It detects selectively CXCR4 receptors that have been not activated and not phosphorylated. Total CXCR4 can be detected in Western blots and									

	immunohistochemistry only after phosphatase treatment. It can also be used to isolate and enrich CXCR4 receptors from brain lysates. It also detects CXCR4 in cultured cells and tissue sections by immunohistochemistry. The non-phospho-CXCR4 antibody has been validated using knockout mice (KO-Validated).
Guarantee	12 months from date of dispatch
Storage	Store at -20°C. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody.
Regulatory	For research purposes only
Health and Safety Information	Material Safety Data Sheet documentation is available at https://7tmantibodies.com/phosphosite-7tm-antibodies/chemokine-receptors/cxcr4/790/cxcr4-umb22-rm-non-phospho-cxc-chemokine-receptor-4-antibody-rabbit-monoclonal?number=7TM0071N-RM in the downloads section as: Safety Data Sheet EU Safety Data Sheet US

Related Products

[pS324/pS325-CXCR4 \(phospho-CXC Chemokine Receptor 4 Antibody\)](#)

[pS346/pS347-CXCR4 \(phospho-CXC Chemokine Receptor 4 Antibody\)](#)

[pS330-CXCR4 \(phospho-CXC Chemokine Receptor 4 Antibody\)](#)

[pS338/pS339-CXCR4 \(phospho-CXC Chemokine Receptor 4 Antibody\)](#)

Details of the Supplier of the Data Sheet

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