



Data Sheet (DS) 7TM0071N-IC

Issuing Date: 2020-04-09

Description	CXCR4 (IHC-grade), Chemokine Receptor 4 Antibody
Format	Purified, Liquid
Product Type	Rabbit Polyclonal Antibody
Isotype	Polyclonal IgG
Quantity	100 µl

Product Details

Applications	This product has been reported to work in the following applications:	
		Dilution
	Western Blot	1:1000
	Immunohistochemistry	1:100
	Immunocytochemistry	1:200
	<p>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://7mantibodies.com/7tm-antibodies-support/7tm-protocols/</p> <p>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.</p>	
Target Species	Human	
Product Form	Purified IgG, liquid	
Antiserum Preparation	Antiserum to CXCR4 was raised by repeated immunization of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.	
Immunogen	A synthetic peptide with the sequence KGKRGGHSSVSTESESSSFHSS 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	<p>The 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 phosphorylation. 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</p>	

	detects CXCR4 in cultured cells and tissue sections by immunohistochemistry. The 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/7tm-immuno-grade-antibodies/human-7tm-receptors/cxcr4/83/cxcr4-ihc-grade-cxc-chemokine-receptor-4-antibody?c=492 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 \(phospho-CXC Chemokine Receptor 4 Antibody\)](#)

[ACKR3 \(non-phospho\), Atypical Chemokine Receptor 3 Antibody](#)

[ACKR2 \(non-phospho\), Atypical Chemokine Receptor 2 Antibody](#)

[ACKR4 \(IHC-grade\), Atypical Chemokine Receptor 4 Antibody](#)

Details of the Supplier of the Data Sheet

Supplier

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