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Z Store at -20C **Cell Signaling** XCR1 (D2F8T) & CO-0015-594 SignalStar<sup>™</sup> Oligo-Antibody Pair TECHNOLOGY® Orders: Support: 1 Kit (10 slides) Web: UniProt ID: Entrez-Gene Id: #P46094 #2829 3 Trask Lane | Danvers | Massachusetts | 01923 | USA

## For Research Use Only. Not for Use in Diagnostic Procedures.

Product Includes		ltem #	Volume	Reactivity	Isotype
XCR1 (D2F8T) Rabbit mAb (SignalStar <sup>™</sup> Conjugate 0015)		25185	50 µl	Н	Rabbit IgG
Complementary Oligo (CO-0015-594)		58549	22 µl		
Storage	SignalStar conjugates are supplied in PBS (pH 7.2), less than 0.1% sodium azide, 2 mM EDTA, 0.05% Triton X-100, 2 mg/mL BSA, and 50% glycerol. Complementary oligos are supplied in nuclease-free water Store at -20°C. <i>Do not aliquot the antibody</i> . All components in this kit are stable for at least 12 months when stored at the recommended temperature.				
Description	SignalStar multiplex immunohistochemistry (IH simultaneously in tissue samples using specific This technology offers accuracy and reliability i maintaining spatial context and tissue architect	primary antit	odies and flu	orescent detection	reagents.
	SignalStar Oligo-Antibody Pairs are compatible fluorescent multiplex imaging experiments. This complementary oligos required for labeling you Buffer Kits are required to amplify and image th conveniently combined into a multiplex panel u Multiplex IHC Kits & Reagents are not compatil protocols that are recommended for use in imm	s product inclu r target protei le target signa sing the Signa ole with all of	udes the oligo n on up to 10 al. Multiple olig alStar Multiple Cell Signaling	-conjugated antibo slides. SignalStar go-antibody pairs o x IHC Panel Build	odies and Multiplex IHC can be er. SignalStar
Specificity/Sensitivity	XCR1 (D2F8T) Rabbit mAb (SignalStar <sup>™</sup> Conjugate 0015) recognizes endogenous levels of total XCR1 protein by IHC-P and transfected levels of XCR1 protein by western. Staining of unknown specificity in peripheral nerves has been observed by immunohistochemistry.				
Source / Purification	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the carboxy terminus of human XCR1 protein.				
Background	X-C motif chemokine receptor 1 (XCR1, GPR5, CCXCR1), part of the G protein-coupled superfamily, is expressed by a subset of dendritic cells and acts as a receptor for chemokines XCL1 and XCL2 (1,2,4). XCR1-positive dendritic cells cross-present antigens to naïve CD8 <sup>+</sup> T cells, priming them to become activated cytotoxic CD8 <sup>+</sup> T cells (3-5). In mouse models, the XCL1-XCR1 signaling axis was shown to be involved in the formation of self-tolerance through the development of T <sub>reg</sub> cells within the thymus (6).				
Background References	<ol> <li>Yoshida, T. et al. (1998) <i>J Biol Chem</i> 273, 16551-4.</li> <li>Fox, J.C. et al. (2015) <i>Cytokine</i> 71, 302-11.</li> <li>Dorner, B.G. et al. (2009) <i>Immunity</i> 31, 823-33.</li> <li>Kroczek, R.A. and Henn, V. (2012) <i>Front Immunol</i> 3, 14.</li> <li>Bachem, A. et al. (2010) <i>J Exp Med</i> 207, 1273-81.</li> <li>Lei, Y. et al. (2011) <i>J Exp Med</i> 208, 383-94.</li> </ol>				
Species Reactivity	Species reactivity is determined by testing in at least one approved application (e.g., western blot).				
Cross-Reactivity Key	H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected				
Trademarks and Patents	Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc. SignalStar is a trademark of Cell Signaling Technology, Inc. U.S. Patent No. 10,781,477, foreign equivalents, and child patents deriving therefrom.				

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XCR1 (D2F8T) & CO-0015-594 SignalStar™ Oligo-Antibody Pair (#49672) Datasheet Without Images Cell ...

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