TIM-3 (D5D5R <sup>™</sup> ) XP <sup>®</sup> Rabbit mAb		Cell Signaling
Stor		Orders: 877-616-CELL (2355) orders@cellsignal.com
508		Support: 877-678-TECH (8324)
7452		Web: info@cellsignal.com cellsignal.com
For Research Use Only. Not for I		k Lane   Danvers   Massachusetts   01923   USA
Applications: Reactive WB, IP, IHC-Bond, IHC- H P, FC-L		UniProt ID:Entrez-Gene Id:#Q8TDQ084868
Product Usage Information	Application	Dilution
mormation	Western Blotting	1:1000
	Immunoprecipitation	1:50
	IHC Leica Bond	1:50 - 1:200
	Immunohistochemistry (Paraffin) Flow Cytometry (Live)	1:200 - 1:800 1:50
Storage	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 1 0.02% sodium azide. Store at -20°C. Do not aliquot the antib	.00 μg/ml BSA, 50% glycerol and less than
	For a carrier free (BSA and azide free) version of this product	soo product #91220
Specificity / Sensitivity	TIM-3 (D5D5R <sup>™</sup> ) XP <sup>®</sup> Rabbit mAb recognizes endogenous le	
Source / Purification	Monoclonal antibody is produced by immunizing animals with extracellular domain of human TIM-3 protein.	recombinant protein specific to the
Background	T cell Ig- and mucin-domain-containing molecules (TIMs) are expressed by various immune cells. TIM-3 is an inhibitory mo activation (1-3). TIM-3 is expressed by exhausted T cells in tt (4,5), and tumor-infiltrating T cells that coexpress PD-1 and T phenotype (5). Tumor-infiltrating dendritic cells (DCs) also exp found to suppress innate immunity by reducing the immunoge tumor cells (6). Research studies show that heterodimerizatio inhibitory function of TIM-3, and co-blockade of TIM-3 and CE mouse model of colorectal cancer (7). In addition, blockade o enhanced the severity of disease (1). Finally, binding of Galec induces T cell death (8).	lecule that is induced following T cell he settings of chronic infection and cancer IM-3 exhibit the most severe exhausted press TIM-3. TIM-3 expression on DCs was enicity of nucleic acids released by dying on of TIM-3 with CEACAM-1 is critical for the EACAM-1 enhanced anti-tumor responses in a f TIM-3 in mouse models of autoimmunity
Background References	<ol> <li>Monney, L. et al. (2002) Nature 415, 536-41.</li> <li>Sánchez-Fueyo, A. et al. (2003) Nat Immunol 4, 1093-101.</li> <li>Sabatos, C.A. et al. (2003) Nat Immunol 4, 1102-10.</li> <li>Jones, R.B. et al. (2008) J Exp Med 205, 2763-79.</li> <li>Sakuishi, K. et al. (2010) J Exp Med 207, 2187-94.</li> <li>Chiba, S. et al. (2012) Nat Immunol 13, 832-42.</li> <li>Huang, Y.H. et al. (2015) Nature 517, 386-90.</li> <li>Zhu, C. et al. (2005) Nat Immunol 6, 1245-52.</li> </ol>	
Species Reactivity	Species reactivity is determined by testing in at least one appr	oved application (e.g., western blot).
Western Blot Buffer	IMPORTANT: For western blots, incubate membrane with dilut 0.1% Tween® 20 at 4°C with gentle shaking, overnight.	ed primary antibody in 5% w/v BSA, 1X TBS,
Applications Key	WB: Western Blotting IP: Immunoprecipitation IHC-Bond: IHC IHC-P: Immunohistochemistry (Paraffin) FC-L: Flow Cytometer	
Cross-Reactivity Key		

3/23/24, 11:11 AM	1-3 (D5D5R™) XP® Rabbit mAb (#45208) Datasheet Without Images Cell Signaling Technology	
	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. Alexa Fluor is a registered trademark of Life Technologies Corporation. All other trademarks are the property of their respective owners. Visit cellsignal.com/trademarks for more information.	
Limited Uses	Except as otherwise expressly agreed in a writing signed by a legally authorized representative of CST, the following terms apply to Products provided by CST, its affiliates or its distributors. Any Customer's terms and conditions that are in addition to, or different from, those contained herein, unless separately accepted in writing by a legally authorized representative of CST, are rejected and are of no force or effect.	
	Products are labeled with For Research Use Only or a similar labeling statement and have not been approved, cleared, or licensed by the FDA or other regulatory foreign or domestic entity, for any purpose. Customer shall not use any Product for any diagnostic or therapeutic purpose, or otherwise in any manner that conflicts with its labeling statement. Products sold or licensed by CST are provided for Customer as the end-user and solely for research and development uses. Any use of Product for diagnostic, prophylactic or therapeutic purposes, or any purchase of Product for resale (alone or as a component) or other commercial purpose, requires a separate license from CST. Customer shall (a) not sell, license, loan, donate or otherwise transfer or make available any Product to any third party, whether alone or in combination with other materials, or use the Products to manufacture any commercial products, (b) not copy, modify, reverse engineer, decompile, disassemble or otherwise attempt to discover the underlying structure or technology of the Products, or use the Products for the purpose of developing any products or services that would compete with CST products or services, (c) not alter or remove from the Products any trademarks, trade names, logos, patent or copyright notices or markings, (d) use the Products solely in accordance with CST Product Terms of Sale and any applicable documentation, and (e) comply with any license, terms of service or similar agreement with respect to any third party products or services used by Customer in connection with the Products.	