**DEF1 (C12A5) Rabbit mAb (Alexa** Fluor® 488 Conjugate)
 Image: Cell Signaling Technology

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Applications: Reactiv FC-FP H M		UniProt ID:Entrez-Gene Id:#Q9UJU251176
Product Usage Information	Application Flow Cytometry (Fixed/Permeabilized)	Dilution 1:50
Storage	Supplied in PBS (pH 7.2), less than 0.1% sodium azide and antibody. Protect from light. Do not freeze.	
Specificity / Sensitivity	LEF1 (C12A5) Rabbit mAb (Alexa Fluor <sup>®</sup> 488 Conjugate) d It does not recognize the dominant negative forms of LEF1	
Source / Purification	Monoclonal antibody is produced by immunizing animals w residues surrounding Pro82 of human LEF1 protein.	° , ,
Product Description	This Cell Signaling Technology antibody is conjugated to A house for direct flow cytometric analysis in human cells. Th species cross-reactivity as the unconjugated LEF1 (C12A5	is antibody is expected to exhibit the same
Background	LEF1 and TCF are members of the high mobility group (HM factors that consists of the following: Lymphoid Enhancer F TCF3/TCF7L1, and TCF4/TCF7L2 (1). LEF1 and TCF1/TC that regulate early lymphoid development (2) and act down Wnt response elements to provide docking sites for $\beta$ -cater promote the transcription of target genes upon activation of dynamically expressed during development and aberrant a involved in many types of cancers, including colon cancer (	actor 1 (LEF1), T Cell Factor 1 (TCF1/TCF7), F7 were originally identified as important factors stream in Wnt signaling. LEF1 and TCF bind to hin, which translocates to the nucleus to f Wnt signaling (3). LEF1 and TCF are ctivation of the Wnt signaling pathway is
	LEF1 has several alternatively spliced isoforms. LEF1 also active in lymphocytes. The isoforms generated by this alter catenin binding domain and may function in a dominant neg	native promoter have no amino-terminal $\beta$ -
Background References	<ol> <li>Waterman, M.L. (2004) <i>Cancer Metastasis Rev</i> 23, 41-5.</li> <li>Schilham, M.W. and Clevers, H. (1998) <i>Semin Immunol</i> 3.</li> <li>Brantjes, H. et al. (2002) <i>Biol Chem</i> 383, 255-61.</li> <li>Reya, T. and Clevers, H. (2005) <i>Nature</i> 434, 843-50.</li> <li>Logan, C.Y. and Nusse, R. (2004) <i>Annu Rev Cell Dev Bi</i></li> <li>Hovanes, K. et al. (2000) <i>Nucleic Acids Res</i> 28, 1994-20</li> <li>Hovanes, K. et al. (2001) <i>Nat Genet</i> 28, 53-57.</li> <li>Kobielak, A. et al. (2001) <i>Acta Biochim Pol</i> 48, 221-226.</li> </ol>	10, 127-32. ol 20, 781-810.
Species Reactivity	Species reactivity is determined by testing in at least one ap	proved application (e.g., western blot).
Applications Key	FC-FP: Flow Cytometry (Fixed/Permeabilized)	
Cross-Reactivity Key	H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: v X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. c GP: Guinea Pig Rab: rabbit All: all species expected	-
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3/7/24, 11:30 AM

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