OX40 (D4N3K) Rabbit mAb (Pacific Blue[™] Conjugate)



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Applications: FC-L	Reactivity: H	Sensitivity: Endogenous	Source/Isotype: Rabbit IgG	UniProt ID: #P43489	Entrez-Gene Id: 7293
Product Usage Information		Application Flow Cytometry (Live)			Dilution 1:50
Storage		Supplied in PBS (pH 7.2), less than 0.1% sodium azide and 2 mg/ml BSA. Store at 4° C. Do not aliquot the antibody. Protect from light. Do not freeze.			
Specificity/Sensitivity		OX40 (D4N3K) Rabbit mAb (Pacific Blue™ Conjugate) recognizes endogenous levels of total OX40 protein. This antibody binds the extracellular domain of human OX40 protein.			
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Gln156 of human OX40 protein.			
Description		This Cell Signaling Technology antibody is conjugated to Pacific Blue™ fluorescent dye and tested inhouse for direct flow cytometry in human cells. The antibody is expected to exhibit the same species cross-reactivity as the unconjugated antibody OX40 (D4N3K) Rabbit mAb #15122.			
Background		regulates T cell activity at a transmembrane domai expressed on activated C predominantly expressed OX40L leads to the recru of a TCR-independent sig pathway (2,8). OX40 sign indicate that the OX40L-0	nd immune responses. T in, and a cytoplasmic tail D4+ and CD8+ T-cells, wl d on activated antigen pr itment of TNF receptor-a gnaling complex. One cor aling through Akt can als DX40 pathway is associat	he OX40 protein con containing a QEE mo nile the OX40 ligand esenting cells (3-7) ssociated factors (TR nponent of this com o enhance TCR signa ed with inflammatio	F) receptor superfamily that stains four cysteine rich domains, otif (1,2). OX40 is primarily (OX40L, TNFSF4, CD252) is The engagement of OX40 with RAFs) and results in the formation splex, PKC0, activates the NF-kB aling directly (9). Research studies on and autoimmune diseases (10). Impor immunity in several cancer
Background References		1. Croft, M. (2010) <i>Annu Rev Immunol</i> 28, 57-78. 2. So, T. and Croft, M. (2012) <i>Front Immunol</i> 3, 133. 3. Paterson, D.J. et al. (1987) <i>Mol Immunol</i> 24, 1281-90. 4. Mallett, S. et al. (1990) <i>EMBO J</i> 9, 1063-8. 5. Dürkop, H. et al. (1995) <i>Br J Haematol</i> 91, 927-31. 6. Godfrey, W.R. et al. (1994) <i>J Exp Med</i> 180, 757-62. 7. Al-Shamkhani, A. et al. (1997) <i>J Biol Chem</i> 272, 5275-82. 8. So, T. et al. (2011) <i>Proc Natl Acad Sci U S A</i> 108, 2903-8. 9. So, T. and Croft, M. (2013) <i>Front Immunol</i> 4, 139. 10. Gough, M.J. and Weinberg, A.D. (2009) <i>Adv Exp Med Biol</i> 647, 94-107. 11. Weinberg, A.D. et al. (2011) <i>Immunol Rev</i> 244, 218-31. 12. Linch, S.N. et al. (2015) <i>Front Oncol</i> 5, 34.			

Species Reactivity Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Applications Key FC-L: Flow Cytometry (Live)

Cross-Reactivity Key H: Human

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