

39300

CD5 (E8X3S) XP® Rabbit mAb



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

W, IP, IHC-Bond, IHC-P	Reactivity: H Mk	Sensitivity: Endogenous	MW (kDa): 65	Source/Isotype: Rabbit IgG	UniProt ID: #P06127	Entrez-Gene Id: 921
Product Usage Information		Application Western Blotting Immunoprecipitation IHC Leica Bond Immunohistochemistry (Paraffin)			Dilution 1:1000 1:200 1:400 1:800	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.				
		For a carrier-free (BSA	and azide free) ver	sion of this product see	product #86389.	
Specificity/Sensitivity		CD5 (E8X3S) XP [®] Rabbit mAb recognizes endogenous levels of total CD5 protein.				
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Gly219 of human CD5 protein.				
Background		CD5 is a type-I transmembrane protein belonging to the scavenger receptor cysteine-rich (SRCR) family, characterized by the presence of at least one SRCR domain of 90-110 amino acids. CD5 is expressed by all mature T cells, the B-1a subset of mature B cells, and some leukemic B cells. Its expression is increased in regulatory T and B cells (Tregs/Bregs). Anergic T and B cells also have elevated CD5 expression. Elevated levels of CD5 are also found in many autoimmune disorders (1-3). CD5 is associated with the T cell receptor (TCR) and negatively modulates T cell activation and differentiation. CD5 expression on the tumor infiltrating T lymphocytes is inversely correlated with their antitumor activity (4-6). Recently, it was reported that CD5 directly binds to IL6 and can mediate downstream signaling. CD5+ B cells promote tumor growth in animal models (7). Reagents targeting CD5 have been actively pursued as therapeutic interventions for cancer and other conditions (8,9).				
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Species Reactivity Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X

TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key W: Western Blotting IP: Immunoprecipitation IHC-Bond: IHC Leica Bond IHC-P: Immunohistochemistry

(Paraffin)

Cross-Reactivity Key H: Human Mk: Monkey

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