

CXCL10 (D5L5L) Rabbit mAb

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Applications: W	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 10	Source/Isotype: Rabbit IgG	UniProt ID: #P02778	Entrez-Gene Id: 3627
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Product Usage Information	Application Western Blotting	Dilution 1:1000
Storage	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.	
Specificity/Sensitivity	CXCL10 (D5L5L) Rabbit mAb recognizes endogenous levels of total CXCL10 protein. This antibody also cross-reacts with a 100kDa protein of unknown origin in some cell lines.	
Source / Purification	Monoclonal antibody is produced by immunizing animals with recombinant protein specific to human CXCL10 protein.	
Background	C-X-C motif chemokine ligand 10 (CXCL10, IP-10) is a chemokine produced by several cell types and induced in response to pro-inflammatory cytokines, such as IFN-γ and TNF-α (1,2). CXCL10 binds to the chemokine receptor CXCR3 and induces calcium flux and cell migration (3). The CXCR3 protein is normally expressed on activated CD4 ⁺ T cells and NK cells, which can produce pro-inflammatory cytokines, including IFN-γ and TNF-α (3,4). As a result, these molecules act in an amplification loop to promote immune responses in the contexts of both autoimmunity and a tumor immune response (5,6).	
Background References	<ol style="list-style-type: none"> Shin, S.Y. et al. (2010) <i>J Biol Chem</i> 285, 30731-40. Luster, A.D. and Ravetch, J.V. (1987) <i>J Exp Med</i> 166, 1084-97. Loetscher, M. et al. (1996) <i>J Exp Med</i> 184, 963-9. Kajitani, K. et al. (2012) <i>Breast Cancer Res Treat</i> 134, 139-55. Luster, A.D. and Leder, P. (1993) <i>J Exp Med</i> 178, 1057-65. Antonelli, A. et al. (2014) <i>Autoimmun Rev</i> 13, 272-80. 	

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
Cross-Reactivity Key	H: Human
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