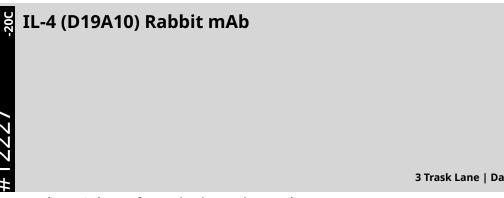
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Applications: W, FC-FP	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 17	Source/Isotype: Rabbit IgG	UniProt ID: #P05112	Entrez-Gene Id: 3565	
Product Usage Information		Application Western Blotting Flow Cytometry (Fixe	d/Permeabilized)			Dilution 1:1000 1:800	
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 IL-4 (D19A10) Rabbit mAb recognizes endogenous levels of				logenous levels of total	IL-4 protein.		
Source / Purific	ation	Monoclonal antibody is produced by immunizing animals with recombinant human IL-4 protein.					
Background		Interleukin-4 (IL-4) is a cytokine secreted by activated T cells, basophils, and mast cells (1,2). While it contributes to many immunomodulatory responses, it is mainly recognized as the cytokine responsible for eliciting differentiation of naive T cells into Th2 lineage cells that are defined by their secretion of IL-4, IL-5, and IL-10 (3). In addition, IL-4 contributes to immunoglobulin class switching by inducing the production of IgE from B cells (4,5). IL-4 acts through the IL-4 receptor, leading to tyrosine phosphorylation and activation of the Stat6 transcription factor (6).					
Background Re	ferences	1. Yokota, T. et al. (1986) <i>Proc Natl Acad Sci USA</i> 83, 5894-8. 2. Grabstein, K. et al. (1986) <i>J Exp Med</i> 163, 1405-14. 3. Kopf, M. et al. (1993) <i>Nature</i> 362, 245-8. 4. Kotowicz, K. and Callard, R.E. (1993) <i>Eur J Immunol</i> 23, 2250-6. 5. Thyphronitis, G. et al. (1989) <i>Proc Natl Acad Sci USA</i> 86, 5580-4. 6. Hou, J. et al. (1994) <i>Science</i> 265, 1701-6.					
Species Reactiv	vity	Species reactivity is determined by testing in at least one approved application (e.g., western blot).					
Western Blot B	uffer	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 Ke	ey	W: Western Blotting FC-FP: Flow Cytometry (Fixed/Permeabilized)					
Cross-Reactivit	у Кеу	H: Human					
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