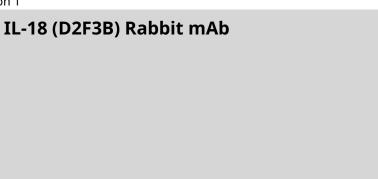
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Applications: W	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 22	Source/Isotype: Rabbit IgG	UniProt ID: #Q14116	Entrez-Gene Id: 3606		
Product Usage Information		Application Western Blotting			Dilution 1:1000			
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. <i>Do not aliquot the antibody.</i>						
Specificity/Sen	sitivity	IL-18 (D2F3B) Rabbit mAb recognizes endogenous levels of total IL-18 protein. This antibody detects 110 and 250 kDa bands of unknown origin in some cell lines.						
Source / Purifi	cation	Monoclonal antibody is produced by immunizing animals with human IL-18 recombinant protein.						
Background		Interleukin-18 (IL-18), originally known as interferon-gamma inducing factor (IGIF), is part of the IL- superfamily of cytokines (1,2). This proinflammatory cytokine is synthesized as an inactive precursor which requires cleavage by Caspase-1 to become an active, mature molecule, which is secreted by monocytes and macrophages (3,4,6). It induces IFNγ production in T-helper-1 (Th1) cells and natural killer (NK) cells, and can regulate innate immunity via both Th1 and Th2 responses (4,5). Elevated IL-18 levels are associated with autoimmune disease, but may be balanced by binding to IL-18 binding protein (IL-18BP), which along with IL-18 neutralizing antibodies, are being examined in clinical trials (6,7).						
Background Ro	eferences	1. Okamura, H. et al. (1995) <i>Nature</i> 378, 88-91. 2. Ushio, S. et al. (1996) <i>J Immunol</i> 156, 4274-9. 3. Ghayur, T. et al. (1997) <i>Nature</i> 386, 619-23. 4. Dinarello, C.A. (1999) <i>Methods</i> 19, 121-32. 5. Nakanishi, K. et al. (2001) <i>Annu Rev Immunol</i> 19, 423-74. 6. Novick, D. et al. (1999) <i>Immunity</i> 10, 127-36. 7. Dinarello, C.A. et al. (2013) <i>Front Immunol</i> 4, 289.						
Species Reacti	vity	Species reactivity is de	etermined by testin	g in at least one approve	ed application (e.g.,	western blot).		
Western Blot E	Buffer	IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.						
Applications K	ey	W: Western Blotting						
Cross-Reactivi	ty Key	H: Human						
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