



Orders:	877-616-CELL (2355) orders@cellsignal.com
Support:	877-678-TECH (8324)
Web:	info@cellsignal.com cellsignal.com

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

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

Applications: Read	c tivity: H	Sensitivity: Endogenous	MW (kDa): 17, 31	Source/Isotype: Rabbit IgG	UniProt ID: #P01584	Entrez-Gene Id: 3553		
Product Usage Information			lestern Blotting 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.						
		For a carrier free (BSA and azide free) version of this product see product #18689.						
Specificity/Sensitivity	/	IL-1β (D3U3E) Rabbit mAb recognizes endogenous levels of total IL-1β protein. This antibody is not observed to detect endogenous levels of mature IL-1β. It can detect up to 100 pg of recombinant mature IL-1β.						
Source / Purification		Monoclonal antibody is produced by immunizing animals with recombinant human IL-1 eta protein.						
Background		in a host of immune a monocytes and macr activation of numero gain activity, the prec	and proinflammator ophages. It signals t us downstream targ cursor must be cleav	aspase-1 targets, is a mu y responses (1). It is pro hrough various adaptor ets (2-6). Human IL-1β is ed by caspase-1 betwee a mature form of IL-1β i	duced primarily by proteins and kinas synthesized as a 3 n Asp116 and Ala1	activated ses that lead to 11 kDa precursor. To 17 to yield a 17 kDa		
Background Referend	ces	1. Dinarello, C.A. (199 2. Burns, K. et al. (199 3. Cao, Z. et al. (1996) 4. Cao, Z. et al. (1996) 5. Wesche, H. et al. (1 6. Ninomiya-Tsuji, J. e 7. Thornberry, N.A. et 8. Cerretti, D.P. et al. (1	98) <i>J Biol Chem</i> 273,) <i>Nature</i> 383, 443-6.) <i>Science</i> 271, 1128-3 997) <i>Immunity</i> 7, 83 ht al. (1999) <i>Nature</i> 3 t al. (1992) <i>Nature</i> 35	12203-9. 81. 7-47. 98, 252-6. 56, 768-74.				
Species Reactivity		Species reactivity is d	letermined by testin	g in at least one approve	ed 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 Flow Cytometry (Fixed		ple Western™ IF-IC: Immunofluorescence (Immunocytochemistry) FC-FP: abilized)				
Cross-Reactivity Key		H: Human						
Trademarks and Pate	ents	Cell Signaling Techno	ology is a trademark	of Cell Signaling Techno	logy, Inc.			
		Alexa Fluor is a registered trademark of Life Technologies Corporation.						
		All other trademarks are the property of their respective owners. Visit cellsignal.com/trademarks for more information.						

Except as otherwise expressly agreed in a writing signed by a legally authorized representative of CST, the following terms apply to Products provided by CST, its affiliates or its distributors. Any Customer's terms and conditions that are in addition to, or different from, those contained herein, unless separately accepted in writing by a legally authorized representative of CST, are rejected and are of no force or effect.

Products are labeled with For Research Use Only or a similar labeling statement and have not been approved, cleared, or licensed by the FDA or other regulatory foreign or domestic entity, for any purpose. Customer shall not use any Product for any diagnostic or therapeutic purpose, or otherwise in any manner that conflicts with its labeling statement. Products sold or licensed by CST are provided for Customer as the end-user and solely for research and development uses. Any use of Product for diagnostic, prophylactic or therapeutic purposes, or any purchase of Product for resale (alone or as a component) or other commercial purpose, requires a separate license from CST. Customer shall (a) not sell, license, loan, donate or otherwise transfer or make available any Product to any third party, whether alone or in combination with other materials, or use the Products to manufacture any commercial products, (b) not copy, modify, reverse engineer, decompile, disassemble or otherwise attempt to discover the underlying structure or technology of the Products, or use the Products for the purpose of developing any products or services that would compete with CST products or services, (c) not alter or remove from the Products any trademarks, trade names, logos, patent or copyright notices or markings, (d) use the Products solely in accordance with CST Product Terms of Sale and any applicable documentation, and (e) comply with any license, terms of service or similar agreement with respect to any third party products or services used by Customer in connection with the Products.