$\sharp 85061$ store at -200

CD3ε (D7A6E[™]) XP[®] Rabbit mAb



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

Applications: F WB, IP, IHC-Bond, IHC- P, IF-IC	Reactivity: H Mk	Sensitivity: Endogenous	MW (kDa): 23	Source/Isotype: Rabbit IgG	UniProt ID: #P07766	Entrez-Gene Id: 916	
Product Usage Information	Ap	Application			Dilution		
	We	Western Blotting			1:1000		
	Im	munoprecipitation		1:50			
	IH	C Leica Bond		1:100 - 1:400			
	Im	Immunohistochemistry (Paraffin)			1:100 - 1:400		
	lm	Immunofluorescence (Immunocytochemistry)			1:400 - 1:1600		
Storage Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glyces 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.						erol and less than	
	For	For a carrier free (BSA and azide free) version of this product see product #24581.					
Specificity / Sensitiv	reco	CD3ε (D7A6E [™]) XP [®] Rabbit mAb recognizes endogenous levels of total CD3ε protein. This antibody recognizes human CD3e protein and is also reactive with mouse CD3e; however, this antibody is not suggested for immunohistochemical analysis of mouse tissues. Monkey species reactivity is Immunohistochemistry (Paraffin) only.					
Source / Purification Monoclonal antibody is produced by immuniz residues surrounding Glu178 of human CD38					nizing animals with a synthetic peptide corresponding to 3ɛ protein.		
Background	anti mai TCI one fore as (liga	When T cells encounter antigens via the T cell receptor (TCR), information about the quantity and quality of antigens is relayed to the intracellular signal transduction machinery (1). This activation process depends mainly on CD3 (Cluster of Differentiation 3), a multiunit protein complex that directly associates with the TCR. CD3 is composed of four polypeptides: ζ , γ , ϵ , and δ . Each of these polypeptides contains at least one immunoreceptor tyrosine-based activation motif (ITAM) (2). Engagement of the TCR complex with foreign antigens induces tyrosine phosphorylation in the ITAM motifs and phosphorylated ITAMs function as docking sites for signaling molecules such as ZAP-70 and the p85 subunit of PI-3 kinase (3,4). TCR ligation also induces a conformational change in CD3 ϵ , such that a proline region is exposed and then associates with the adaptor protein Nck (5).					
Background Referen	2. F 3. C 4. F	 Kuhns, M.S. et al. (2006) Immunity 24, 133-139. Pitcher, L.A. and van Oers, N.S. (2003) Trends Immunol. 24, 554-560. Osman, N. et al. (1996) Eur. J. Immunol. 26, 1063-1068. Hatada, M.H. et al. (1995) Nature 377, 32-38. Gil, D. et al. (2002) Cell 109, 901-912. 					

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

Applications Key

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.

WB: Western Blotting IP: Immunoprecipitation IHC-Bond: IHC Leica Bond

Cross-Reactivity Key

IHC-P: Immunohistochemistry (Paraffin) IF-IC: Immunofluorescence (Immunocytochemistry)

H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse

GP: Guinea Pig Rab: rabbit All: all species expected

3/23/24. 11:26 AM

Trademarks and Patents

Limited Uses

CD3ε (D7A6E™) XP® Rabbit mAb (#85061) Datasheet Without Images Cell Signaling Technology

Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc. SignalStain is a registered trademark of Cell Signaling Technology, Inc.

XP is a registered trademark of Cell Signaling Technology, Inc.

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.