#3873 Store at -	(DM1A) Mous		3 Trask	TE Orders: Support: Web:	BISignaling CHNOLOGY* 877-616-CELL (2355) orders@cellsignal.com 877-678-TECH (8324) info@cellsignal.com cellsignal.com	
For Research Use Only. Applications: WB, W-S, IHC-P, IF-IC, FC-FP	Reactivity: Sen	nsitivity: MW (kDa) ogenous 52	: Source/Isotype: Mouse IgG1	<b>UniProt ID:</b> #P68363	Entrez-Gene Id: 10376	
Product Usage Information	Immunoflue	lotting		1:50 1:100		
Storage	0.02% sodiu	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 #76031. α-Tubulin (DM1A) Mouse mAb detects endogenous levels of total α-tubulin protein.				
Source / Purificatio	n Monoclonal	Monoclonal antibody is produced by immunizing animals with full-length chicken $\alpha$ -tubulin purified from brain extracts, and recognizes residues surrounding Val440 of $\alpha$ -tubulin protein.				
Background	and interme tubulin hete nucleate po mediated by membrane movements	The cytoskeleton consists of three types of cytosolic fibers: microtubules, microfilaments (actin filaments), and intermediate filaments. Globular tubulin subunits comprise the microtubule building block, with $\alpha/\beta$ -tubulin heterodimers forming the tubulin subunit common to all eukaryotic cells. y-tubulin is required to nucleate polymerization of tubulin subunits to form microtubule polymers. Many cell movements are mediated by microtubule action, including the beating of cilia and flagella, cytoplasmic transport of membrane vesicles, chromosome alignment during meiosis/mitosis, and nerve-cell axon migration. These movements result from competitive microtubule polymerization and depolymerization or through the actions of microtubule motor proteins (1).				
Background Refere	ences 1. Westerma	1. Westermann, S. and Weber, K. (2003) Nat Rev Mol Cell Biol 4, 938-47.				
Species Reactivity	Species read	Species reactivity is determined by testing in at least one approved application (e.g., western blot).				
Western Blot Buffe		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 Key		WB: Western Blotting W-S: Simple Western™ IHC-P: Immunohistochemistry (Paraffin) IF-IC: Immunofluorescence (Immunocytochemistry) FC-FP: Flow Cytometry (Fixed/Permeabilized				
Cross-Reactivity K	X: Xenopus 2	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				
Trademarks and Patents		Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc. All other trademarks are the property of their respective owners. Visit cellsignal.com/trademarks for more information.				
<b>Limited Uses</b> Except as otherwise expressly agreed in a writing signed by a legally authorized refollowing terms apply to Products provided by CST, its affiliates or its distributors. A conditions that are in addition to, or different from, those contained herein, unless a writing by a legally authorized representative of CST, are rejected and are of no for				or its distributors. Any led herein, unless sep	Customer's terms and arately accepted in	

 $\alpha$ -Tubulin (DM1A) Mouse mAb (#3873) Datasheet Without Images Cell Signaling Technology

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.