

## Product datasheet for **TA320509**

### alpha Tubulin (TUBA1A) Mouse Monoclonal Antibody [Clone ID: DM1A]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	DM1A
Applications:	WB
Recommended Dilution:	IHC, IP, WB
Reactivity:	Canine, Human, Monkey, Mouse, Pig, Rat
Host:	Mouse
Clonality:	Monoclonal
Formulation:	Aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	tubulin alpha 1a
Database Link:	<a href="#">NP_006000</a> <a href="#">Entrez Gene 22142 Mouse</a> <a href="#">Entrez Gene 64158 Rat</a> <a href="#">Entrez Gene 574194 Monkey</a> <a href="#">Entrez Gene 7846 Human</a> <a href="#">Q71U36</a>
Background:	The monoclonal antibody DM1a recognizes the 50kDa cytoskeletal protein $\alpha$ tubulin in a variety of species (human, mouse, rat, monkey, dog, pig, bovine, goat, hamster, guinea pig, kangaroo, amphibians, sea urchin, yeast and tobacco plants). Tubulin, the major component of microtubules, is a dimeric protein consisting of an alpha and beta subunit. Tubulin is a GTP-binding protein that can be modified by phosphorylation and acetylation resulting in assembly (polymerization) or disassembly (depolymerization). The dynamic nature of microtubules is most evident in the mitotic apparatus. The DM1a antibody recognizes the C-terminal end of the $\alpha$ tubulin isoform (amino acids 426-430).
Synonyms:	B-ALPHA-1; LIS3; TUBA3
Protein Families:	Druggable Genome



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Protein Pathways: Gap junction, Pathogenic Escherichia coli infection

**Product images:**



Immunoblotting of reduced lysates from Jurkat T cells probed with 2ug/mL DM1A.