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Datasheet for ABIN5776681

Tubulin Protein (TUB) (Alexa Fluor 488)

Overview

Quantity:	0.1 mg
Target:	Tubulin (TUB)
Origin:	Cow
Source:	Cow
Protein Type:	Native
Purification tag / Conjugate:	This Tubulin protein is labelled with Alexa Fluor 488.
Application:	In vitro Assay (in vitro), Single Molecule Motor Assays (SMMA), Fluorescent Speckle Microscopy (FSM), Microinjection (MI)

Product Details

Purpose:	Endogenous cytoskeletal protein
Characteristics:	Polymerizes to form microtubules
Purification:	Endogenous protein purified by differential centrifugation
Purity:	> 99 %

Target Details

Target:	Tubulin (TUB)
Alternative Name:	tubulin (TUB Products)
Molecular Weight:	~110 kDa

Application Details

Application Notes:	Tested for labeling stoichiometry (absorbance) and polymerization competency (fluorescence microscopy)
Comment:	for use, but not limited to, in fluorescent experimental systems including: in vitro MT gliding assays and single molecule motor assays, speckle microscopy and live cell injection, in vitro nanoscale devices
Protocol:	It is recommended to combine labeled tubulin with unlabeled tubulin at a ratio of 1:9 to a total tubulin concentration of 2 mg/mL
Restrictions:	For Research Use only

Handling

Format:	Frozen
Reconstitution:	Thaw rapidly at 37 °C and immediately place on ice
Concentration:	20 mg/mL
Buffer:	50 mM K-Glutamate and 0.5 mM MgCl ₂ , pH 7.0
Preservative:	Without preservative
Handling Advice:	protect from light
Storage:	-80 °C
Storage Comment:	Storage: -80°C