

Datasheet for ABIN6239912

TUBB Protein (AA 170-419) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	50 µg
Target:	TUBB
Protein Characteristics:	AA 170-419
Origin:	Human
Source:	Escherichia coli (E. coli)
Biological Activity:	Active
Purification tag / Conjugate:	This TUBB protein is labelled with His tag.
Application:	Activity Assay (AcA), Cell Culture (CC)

Product Details

Characteristics:	Tag location: N-terminal His Tag
Purity:	> 95 %
Biological Activity Comment:	<p>Tubulin Beta (TUBb) in molecular biology can refer either to the tubulin protein superfamily of globular proteins, or one of the member proteins of that superfamily. It participate in many essential cellular processes, including mitosis. α- and β-tubulins polymerize into microtubules, a major component of the eukaryotic cytoskeleton. Both α and β tubulins have a mass of around 50kDa and are thus in a similar range compared to actin with ~42kDa. TUBb is one of six members of the tubulin superfamily, which binding drugs to kill cancerous cells by inhibiting microtubule dynamics. Besides, Myxovirus Resistance 1 (MX1) has been identified as an interactor of TUBb, thus a binding ELISA assay was conducted to detect the interaction of recombinant human TUBb and recombinant human MX1. Briefly, TUBb were diluted serially in PBS, with 0.01% BSA (pH 7.4). Duplicate samples of 100uL were then transferred to MX1-</p>

Product Details

coated microtiter wells and incubated for 2h at 37°C. Wells were washed with PBST and incubated for 1h with anti-TUBb pAb, then aspirated and washed 3 times. After incubation with HRP labelled secondary antibody, wells were aspirated and washed 3 times. With the addition of substrate solution, wells were incubated 15-25 minutes at 37°C. Finally, add 50µL stop solution to the wells and read at 450nm immediately. The binding activity of TUBb and MX1 was shown in Figure 1, and this effect was in a dose dependent manner. The binding activity of TUBb with MX1.

Target Details

Target:	TUBB
Alternative Name:	Tubulin Beta (TUBb) (TUBB Products)
Background:	Alternative Names: TUB-B, TUBB5, TUBB1, M40
Molecular Weight:	32kDa
UniProt:	P07437
Pathways:	Microtubule Dynamics , M Phase

Application Details

Application Notes:	Isoelectric Point: 6.6
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	20 mM Tris, 150 mM NaCl, pH 8.0, containing 1 mM EDTA, 1 mM DTT, 0.01 % SKL, 5 % Trehalose and Proclin300.
Preservative:	Dithiothreitol (DTT), Other preservative, ProClin
Precaution of Use:	This product contains ProClin and Dithiothreitol (DTT): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.

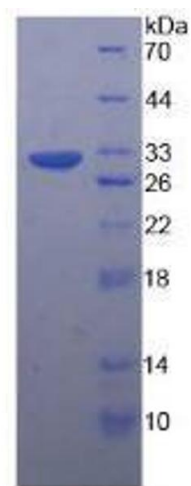


Image 1.