

## Anti-MST1 Antibody (5S102)

## Product Details

Ig Type:	Mouse IgG1
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	5S102
Purification:	Protein A

## Applications

Verified Activity:	1. Immunofluorescence staining of Human STK4 in HeLa cells. Cells were fixed with 4% PFA, permeabilized with 1% Triton X-100 in PBS, blocked with 10% serum, and incubated with Mouse anti-Human STK4 monoclonal antibody (1:60) at 37°C 1 hour. Then cells were stained with the Alexa Fluor® 488-conjugated Goat Anti-mouse IgG secondary antibody (green). Positive staining was localized to nuclear and cytoplasm.
	2. Flow cytometric analysis of Human STK4 expression on HeLa cells. The cells were treated according to manufacturer's manual (BD Pharmingen™ Cat. No. 554714), stained with purified anti-Human STK4, then a FITC-conjugated second step antibody. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of intact cells.
Application:	FCM,ICC/IF
Recommended	ICC-IF: 1:20-1:100; FCM: 1:25-1:100

## Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	Recombinant Protein: Human STK4 / MST1 protein (TMPY-04398)
Antigen Species:	Human
Synonyms:	TIIAC;YSK3;serine/threonine kinase 4;MST1;KRS2

## Research Background

Dysregulation of MST1/STK4, a key kinase component of the Hippo-YAP pathway, is linked to the etiology of many cancers with poor prognosis. STK4/Hippo pathway may have important therapeutic implications for cancer. The tumor suppressor serine/threonine-protein kinase 4 (STK4) differentially regulates TLR3/4/9-mediated inflammatory responses in macrophages and thereby is protective against chronic inflammation-associated Hepatocellular carcinoma (HCC). STK4 has potential as a diagnostic biomarker and therapeutic target for inflammation-induced HCC.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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