

Mouse Monoclonal Antibody to beta-Actin

Catalogue Number	sAP-0221
Target Molecule	<p>Name: beta-Actin</p> <p>Aliases: PS1TP5BP1; ACTB</p> <p>MW: 42kDa</p> <p>Entrez Gene ID: 60</p>
Description	Beta-actin (PS1TP5-binding protein 1), also known as ACTB, PS1TP5BP1. Entrez Protein NP_001092. It is one of six different actin proteins. Actin, a ubiquitous eukaryotic protein, is the major component of the cytoskeleton. Actins are highly conserved proteins that are involved in various types of cell motility, structure, and integrity. Actin is ubiquitously expressed in all eukaryotic cells. This actin is a major constituent of the contractile apparatus and one of the two nonmuscle cytoskeletal actins.
Immunogen	Synthetic peptide corresponding to amino-terminal residues of human beta-Actin, conjugated to KLH.
Reactive Species	Human; Mouse; Hamster; Rat; Monkey
Clone	MM8H10D10;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.
Reconstitution/Storages	Reconstituted with 100µl sterile DI H ₂ O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; ICC: 1 to 200 - 1 to 1000; FCM: 1 to 200 - 1 to 400
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. Proteomics. 2005 Oct;5(15):3876-84. ; 2. PLoS Med. 2005 Oct;2(10):e263. ; 3. Mol Biol Cell. 2005 Nov;16(11):5055-60 ; 4. Nature. 2005 Oct 20;437(7062):1173-8.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**