

Mouse monoclonal antibody to Myosin-11 [MS-13]: IgG

Catalogue No.:	M-1169-100
Description:	THIS PRODUCT IS OBSOLETE, AND HAS NOT BEEN REPLACED BY ANOTHER CLOSE MATCH. Myosin-11 or smooth muscle myosin belongs to the myosin heavy chain family. It is a subunit of a hexameric protein that consists of two heavy chain subunits and two pairs of non-identical light chain subunits. This protein is a major contractile protein in smooth muscle. A number of isoforms of Myosin-11 are produced by alternative splicing.
Batch No.:	See product label
Unit size:	100 ug
Antigen:	Human uterus smooth muscle extract
Clone:	MS-13
Other Names:	Myosin heavy chain 11; Myosin heavy chain; smooth muscle isoform; SMMHC; MYH11; KIAA0866;
Accession:	P35749 MYH11_HUMAN;
Produced in:	Mouse
Purity:	IgG
Applications:	Immunohistochemistry (IHC) and Western Blotting (WB). A concentration of 0.25-0.5 ug/mL is recommended for WB. Human Myosin-11 (isoform SM1A) has a predicted length of 1,972 residues and a MW of 227 kDa. A concentration of 0.5-1.0 ug/mL is recommended to detect the protein in formalin fixed and paraffin embedded tissues as well as formalin/acetone fixed frozen tissues. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
Specificity:	The specificity of this antibody has been confirmed by WB and IHC against the antigen.
Cross-reactivity:	Human; rabbit; chicken;
Form:	Lyophilized from 1.2% sodium acetate, 2mg BSA, 0.01mg Na ₃
Reconstitution:	Reconstitute in 1 mL of PBS (pH 7.4) to achieve an antibody concentration of 100 ug/mL. Centrifuge to remove any insoluble material.
Storage:	At least 12 months after purchase at 2-8C (lyophilized formulations). After reconstitution, aliquot and store at -20C for a higher stability. Avoid freeze-thaw cycles.
Expiry Date:	12 months after purchase.

FOR RESEARCH USE ONLY