



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

<b>Catalogue No.:</b>	M-1169-100
<b>Description:</b>	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.
<b>Batch No.:</b>	See product label
<b>Unit size:</b>	100 ug
<b>Antigen:</b>	Human uterus smooth muscle extract
<b>Clone:</b>	MS-13
<b>Other Names:</b>	Myosin heavy chain 11; Myosin heavy chain; smooth muscle isoform; SMMHC; MYH11; KIAA0866;
<b>Accession:</b>	P35749 MYH11_HUMAN;
<b>Produced in:</b>	Mouse
<b>Purity:</b>	IgG
<b>Applications:</b>	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.
<b>Specificity:</b>	The specificity of this antibody has been confirmed by WB and IHC against the antigen.
<b>Cross-reactivity:</b>	Human; rabbit; chicken;
<b>Form:</b>	Lyophilized from 1.2% sodium acetate, 2mg BSA, 0.01mg NaN3
<b>Reconstitution:</b>	Reconstitute in 1 mL of PBS (pH 7.4) to achieve an antibody concentration of 100 ug/mL. Centrifuge to remove any insoluble material.
<b>Storage:</b>	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.
<b>Expiry Date:</b>	12 months after purchase.

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