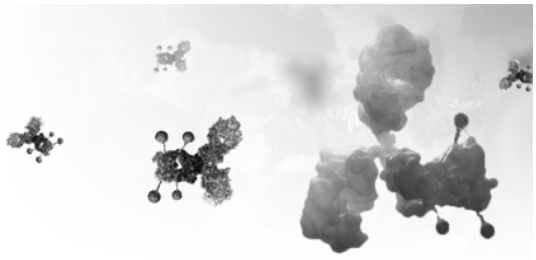

Mouse Anti-MSLN monoclonal antibody, clone NO-2 (CABT-RM121)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	Specifically detects human Mesothelin.
Target	MSLN
Immunogen	Plasmid cDNA corresponding to the mesothelin extracellular domain followed by a single boost with a recombinant human mesothelin-Fc fusion protein.
Isotype	IgG2a, κ
Source/Host	Mouse
Species Reactivity	Human
Clone	NO-2
Purification	Protein G purified
Conjugate	unconjugated
Applications	ELISA, FC, IHC, WB
Molecular Weight	68.99 kDa calculated.
Format	Liquid
Size	100 µg
Buffer	0.1 M Tris-Glycine (pH 7.4), 150 mM NaCl
Preservative	0.05% sodium azide

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Storage	Stable for 1 year at 2-8°C from date of receipt.

BACKGROUND

Introduction	Mesothelin is encoded by the MSLN gene in human. Mesothelin is a glycophosphatidylinositol (GPI)-linked cell surface protein that normally expressed in lung and at lower levels in heart, placenta, and kidney. It is highly expressed in several types of malignant tumors and is associated with increased tumor aggressiveness and poor clinical outcome. Antibodies against mesothelin have been detected in patients with mesothelioma and ovarian cancer. Mesothelin plays a role in cellular adhesion. Mesothelin is synthesized with a signal peptide (aa 1-36) and a propeptide (aa 607-630) that are cleaved to produce mature mesothelin, which can be cleaved further by furin-like convertase to generate megakaryocyte-potentiating factor (aa 37-206) and the cleaved form of mesothelin (aa 296-606). Four isoforms of mesothelin have been described that are produced by alternative splicing.
Keywords	MSLN; mesothelin; MPF; SMRP; CAK1 antigen; megakaryocyte potentiating factor; soluble MPF mesothelin related protein; pre-pro-megakaryocyte-potentiating factor

GENE INFORMATION

Entrez Gene ID	10232
UniProt ID	Q13421

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