

Product datasheet for **AP01143BT-S**

Melanoma Inhibitory Activity (MIA) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	Direct ELISA: To detect Human MIA (using 100 µl/well antibody solution) a concentration of ~1.0 µg/ml of this antibody is required. It allows the detection of at least 0.2-0.4 ng/well of recombinant Human MIA. Sandwich ELISA: To detect Human MIA (using 100 µl/well antibody solution) a concentration of 0.25-1.0 µg/ml of this antibody is required. In conjunction with Polyclonal Anti-Human MIA (AP01143PU-S or AP01143PU-N) as a Capture antibody, it allows the detection of at least 0.2-0.4 ng/well of recombinant Human MIA. Western blot: To detect Human MIA by Western Blot analysis this antibody can be used at a concentration of 0.1-0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant Human MIA is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Highly pure (> 98%) recombinant Human MIA
Specificity:	This antibody detects MIA.
Formulation:	PBS, pH 7.2 without preservatives. Label: Biotin State: Lyophilized (sterile filtered) purified Ig fraction
Reconstitution Method:	Centrifuge vial prior to opening. Restore in sterile PBS containing 0.1% BSA to a concentration of 0.1 - 1.0 mg/ml.
Purification:	Affinity Chromatography.
Conjugation:	Biotin
Storage:	Store the lyophilized antibody at -20°C. Following reconstitution it is stable for two weeks at 2-8°C. Frozen aliquots are stable for 6 months when stored at -20°C. Avoid repeated freezing and thawing.



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Stability:	Shelf life: One year from despatch.
Gene Name:	melanoma inhibitory activity
Database Link:	Entrez Gene 8190 Human Q16674
Background:	Melanoma Inhibitory Activity (MIA) was originally identified as an inhibitor of the in vitro growth of malignant melanoma cells. It was the first discovered member of a family of secreted cytokines termed the MIA/OTOR family. The four known members of this family; Melanoma Inhibitory Activity, MIA2, OTOR and TANGO each contain a Src homology-3 (SH3)-like domain. Melanoma Inhibitory Activity is an autocrine growth regulatory protein secreted from chondrocytes and malignant melanoma cells that promotes melanoma metastasis by binding competitively to fibronectin and laminin in a manner that results in melanoma cell detachment from the extracellular matrix in vivo. Elevated levels of Melanoma Inhibitory Activity may represent a clinically useful marker for diagnosis of melanoma metastasis as well as a potential marker for rheumatoid arthritis.
Synonyms:	Melanoma inhibitory activity