Datasheet for ABIN181669

anti-MIA antibody (Biotin)

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Overview

Quantity:	50 µg
Target:	MIA
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MIA antibody is conjugated to Biotin
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Highly pure (> 98%) recombinant Human MIA
Specificity:	This antibody detects MIA.
Purification:	Affinity Chromatography.

Target Details

Target:	MIA
Alternative Name:	MIA (MIA Products)
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

Target Details

	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, Melanoma-derived growth regulatory protein
Gene ID:	8190
NCBI Accession:	NP_001189482
UniProt:	Q16674

Application Details

Application Notes:	Direct ELISA: To detect Human MIA (using 100 µL/well antibody solution) a concentration ofapprox. 1.0 µg/mL of this antibody is required. It allows the detection of at least 0.2-0.4 ng/well ofrecombinant Human MIA. Sandwich ELISA: To detect Human MIA (using 100 µL/well antibody solution) aconcentration of 0.25-1.0 µg/mL of this antibody is required. In conjunction with PolyclonalAnti-Human MIA (ABIN181672 or ABIN181671) as a Capture antibody, it allows thedetection 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 ata concentration of 0.1-0.2 µg/mL. Used in conjunction with compatible secondary reagentsthe detection limit for recombinant Human MIA is 1.5-3.0 ng/lane, under either reducing ornon-reducing conditions. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Reconstitution:	Centrifuge vial prior to opening. Restore in sterile PBS containing 0.1 % BSA to a concentration of 0.1 - 1.0 mg/mL.
Buffer:	PBS, pH 7.2 without preservatives.
Preservative:	Without preservative
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	-20 °C

Handling

Storage Comment:	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.
Expiry Date:	6 months

