

Product Datasheet

MICA Antibody (orb1410066)

Catalog Number	orb1410066
Category	Antibodies
Description	Mouse monoclonal antibody to MICA
Target	MICA
Clonality	Monoclonal
Species/Host	Mouse
Isotype	IgG2b
Conjugation	Unconjugated
Reactivity	Guinea pig, Hamster, Human, Mouse, Rat
Form/Appearance	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% rAlbumin & 0.05% azide. Also available WITHOUT rAlbumin & azide at 1.0mg/ml.
Purification	Protein A
Immunogen	Recombinant fragment (around aa1-200) of human MICA (exact sequence is proprietary)
UniProt ID	Q29983
MW	92kDa
Tested applications	IHC, WB

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Specificity

Widely expressed with the exception of the central nervous system where it is absent. Expressed predominantly in gastric epithelium and also in monocytes, keratinocytes, endothelial cells, fibroblasts and in the outer layer of Hassal's corpuscles within the medulla of normal thymus. In skin, expressed mainly in the keratin layers, basal cells, ducts and follicles. Also expressed in many, but not all, epithelial tumors of lung, breast, kidney, ovary, prostate and colon. In thymomas, overexpressed in cortical and medullary epithelial cells. Tumors expressing MICA display increased levels of gamma delta T-cells.

Clone Number

MICA/4442

Expression System

Bioreactor

Storage

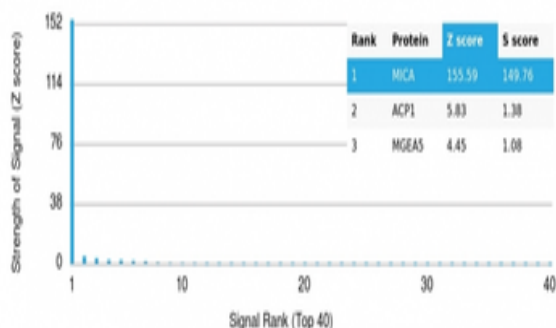
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Note

For research use only

Expiration Date

12 months from date of receipt.



Analysis of Protein Array containing >19000 full-length human proteins using MICA Mouse Recombinant Monoclonal Antibody (MICA/4442). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.

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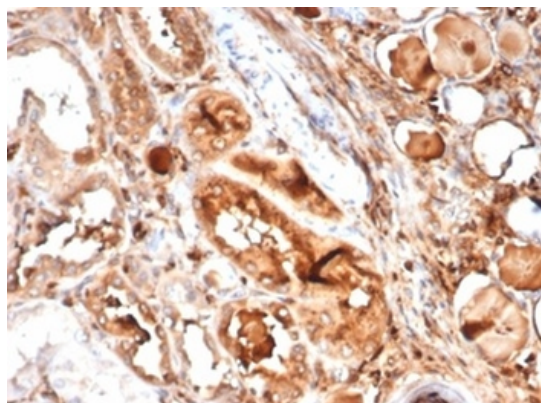
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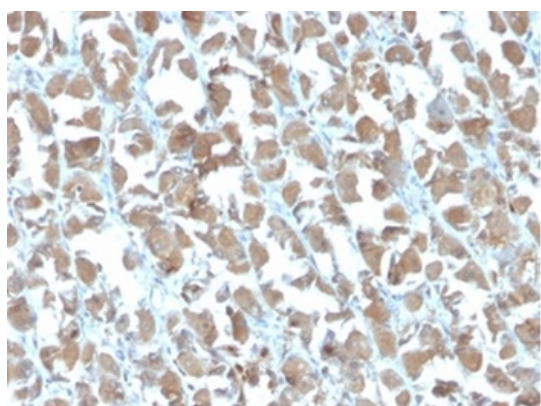
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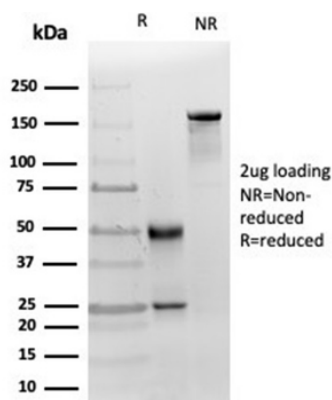
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Formalin-fixed, paraffin-embedded human kidney stained with MICA Mouse Recombinant Monoclonal Antibody (MICA/4442).
HIER: Tris/EDTA, pH9.0, 45 min. 2°C: HRP-polymer, 30 min.
DAB, 5 min.



Formalin-fixed, paraffin-embedded human stomach stained with MICA Mouse Recombinant Monoclonal Antibody (MICA/4442).
HIER: Tris/EDTA, pH9.0, 45 min. 2°C: HRP-polymer, 30 min.
DAB, 5 min.



SDS-PAGE Analysis of Purified MICA Mouse Recombinant Monoclonal (MICA/4442). Confirmation of Purity and Integrity of Antibody.

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