

DATASHEET

HMB-45 Mouse Monoclonal Antibody (ARM509)

CAT. NO. ARM6799

KEY FEATURES

Target	HMB-45	Clone ID	ARM509
Source / Host	Mouse	Reactivity	Human
Applications	IHC	Dilution	1:100-1:200
Clonality	Monoclonal	Storage	-20°C

BACKGROUND

HMB-45 is specific for an antigen present in immature melanosomes, cutaneous melanocytes, and prenatal and infantile retinal pigment epithelium cells. It is therefore effective for identifying malignant melanoma, and differentiating metastatic amelanotic melanoma from a number of conditions where the discrimination is often extremely difficult, including large cell lymphomas, sarcomas, spindle cell carcinomas, and various types of mesenchymal neoplasms. This antibody can also differentiate between junctional nevus and intradermal nevus cells, and between fetal or neonatal melanocytes and normal adult melanocytes.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

Application	IHC
Dilution Ratio	1:100-1:200

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Antibody Type	Primary antibodies
Isotype	IgG1
Positive Control	Melanoma
Localization	Cytoplasmic
Form / Buffer	Tris Buffer, pH 7.3 - 7.7, with 1% BSA and <0.1% Sodium Azide
Purification	Purified
Conjugation	Unconjugated
Gene Symbol	PMEL
Entrez Gene ID	6490
Uniprot	P40967
Alternative Names	Melanoma-associated antigen, PMEL, gp100

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

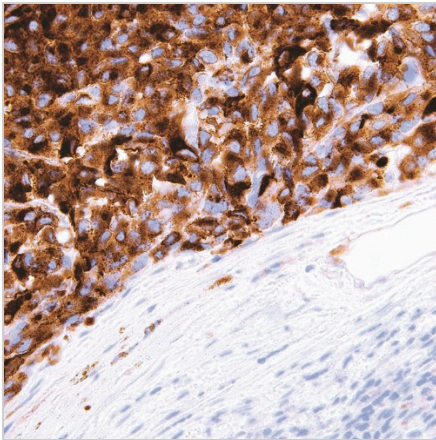
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

DATA

Immunohistochemical staining of human melanoma tissue using HMB-45 Mouse Monoclonal Antibody (ARM509).

RESEARCH USE ONLY

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.

More information: [www.arexbio.com / hmb-45-mouse-monoclonal-antibody-arm509-arm6799](http://www.arexbio.com/hmb-45-mouse-monoclonal-antibody-arm509-arm6799)