

DATASHEET

Alpha-fetoglobulin Mouse Monoclonal Antibody(C3583)

CAT. NO. AMA03195

KEY FEATURES

Target	Alpha-fetoglobulin	Source / Host	Mouse
Reactivity	Human	Clonality	Monoclonal
Applications	WB, IHC	Conjugation	Unconjugated
Form / Buffer	Mouse IgG2b kappa. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.	Storage	at-20°C

BACKGROUND

Binds copper, nickel, and fatty acids as well as, and bilirubin less well than, serum albumin. Only a small percentage (less than 2%) of the human AFP shows estrogen-binding properties.

APPLICATION

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

WB	1:500 - 1:1000
IHC	1:50 - 1:200

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

PRODUCT OVERVIEW

Description	Mouse monoclonal antibody to Alpha-fetoglobulin
Specificity	Recognizes endogenous levels of Alpha-fetoglobulin protein.
Antibody Type	Primary antibody
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Alpha-fetoglobulin. The exact sequence is proprietary.
Molecular Weight	Predicted: 68 kD; Observed: 72 kD
Form/Buffer	Mouse IgG2b kappa. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	HPAFP; Alpha-fetoprotein; Alpha-1-fetoprotein; Alpha-fetoglobulin
Gene Symbol	AFP
Entrez Gene	174(Human)
SwissProt	P02771(Human)

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

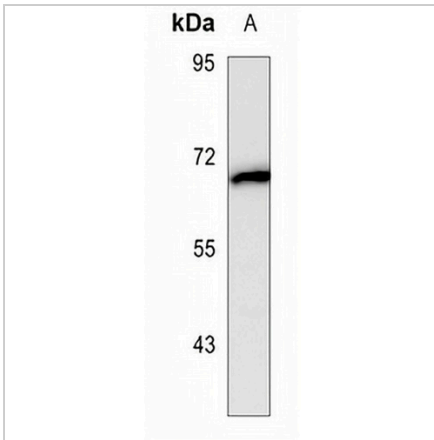
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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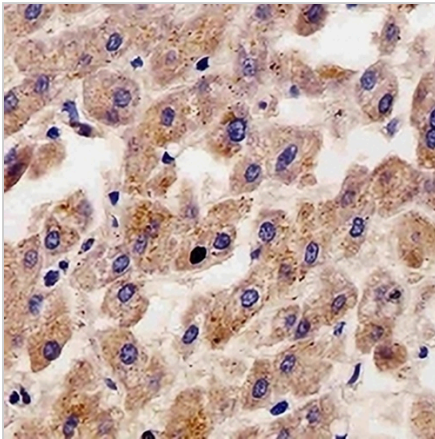
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DATA



Western blot analysis of Alpha-fetoglobulin expression in human fetal liver (A) whole cell lysates. (Predicted band size: 68 kD; Observed band size: 72 kD)



Immunohistochemical analysis of Alpha-fetoglobulin staining in human liver formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

STORAGE

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

NOTE

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