

Product Datasheet

alpha-Fetoprotein/AFP Antibody (1G7) - Azide and BSA Free H00000174-M01

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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H00000174-M01

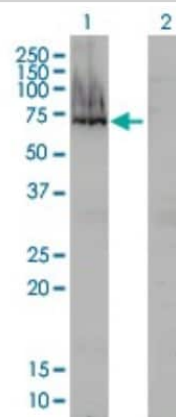
alpha-Fetoprotein/AFP Antibody (1G7) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	1G7
Preservative	No Preservative
Isotype	IgG2a Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	174
Gene Symbol	AFP
Species	Human, Porcine
Specificity/Sensitivity	AFP - alpha-fetoprotein
Immunogen	AFP (AAH27881, 500 a.a. ~ 609 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. CCTSSYANRRPCFSSLVVDETYVPPAFSDDKFIFHKDLCQAQGVALQTMKQEF LINLVKQKPQITEEQLEAVIADFSGLLEKCCQGQEQEVCFAEEGQKLISKTRAAL GV
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Functional, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:10-1:2000, Immunoprecipitation 1:10-1:500, Immunohistochemistry-Paraffin, Functional
Application Notes	Antibody reactivity against cell lysate, transfected lysate and recombinant protein for WB. It has been used for IF and ELISA.

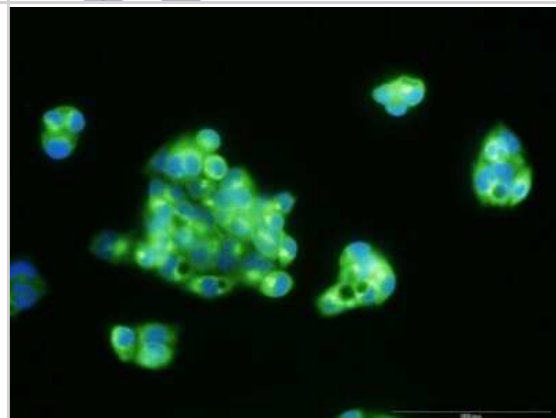


Images

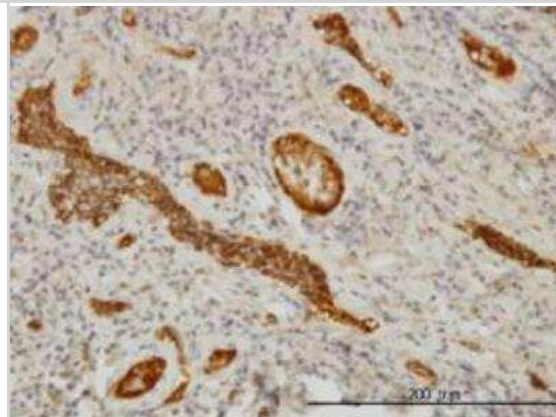
Western Blot: alpha-Fetoprotein/AFP Antibody (1G7) [H00000174-M01] - Analysis of AFP expression in transfected 293T cell line by AFP monoclonal antibody (M01), clone 1G7. Lane 1: AFP transfected lysate (69 KDa). Lane 2: Non-transfected lysate.



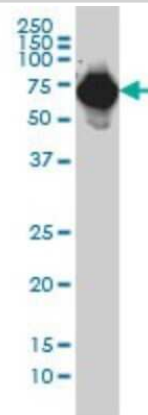
Immunocytochemistry/Immunofluorescence: alpha-Fetoprotein/AFP Antibody (1G7) [H00000174-M01] - Immunofluorescence of monoclonal antibody to alpha-Fetoprotein/AFP on HepG2 cell . [antibody concentration 30 ug/ml]



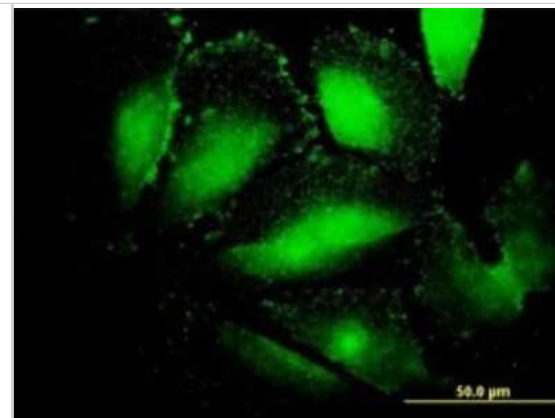
Immunohistochemistry-Paraffin: alpha-Fetoprotein/AFP Antibody (1G7) [H00000174-M01] - Immunoperoxidase of monoclonal antibody to AFP (Cat # H00000174-M01) on formalin-fixed paraffin-embedded human tonsil. [antibody concentration 3 ug/ml]



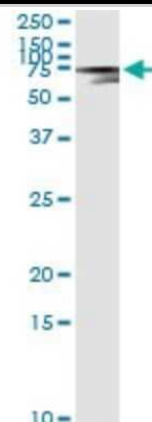
Western Blot: alpha-Fetoprotein/AFP Antibody (1G7) [H00000174-M01] - AFP monoclonal antibody (M01), clone 1G7 Analysis of AFP expression in HepG2.



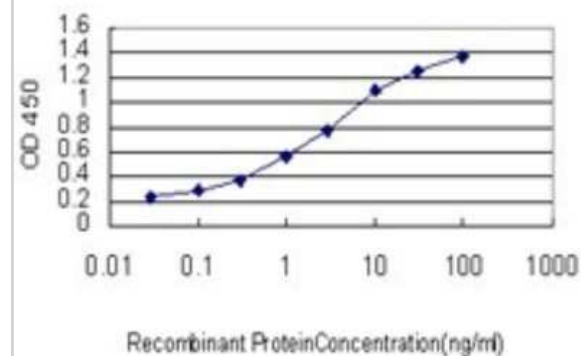
Immunocytochemistry/Immunofluorescence: alpha-Fetoprotein/AFP Antibody (1G7) [H00000174-M01] - Analysis of monoclonal antibody to AFP on HepG2 cell. Antibody concentration 30 ug/ml.



Immunoprecipitation: alpha-Fetoprotein/AFP Antibody (1G7) [H00000174-M01] - Analysis of AFP transfected lysate using anti-AFP monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with AFP MaxPab rabbit polyclonal antibody.



ELISA: alpha-Fetoprotein/AFP Antibody (1G7) [H00000174-M01] - Detection limit for recombinant GST tagged AFP is approximately 0.03ng/ml as a capture antibody.



Publications

Li Y, Wu S, Yu Y et al. Derivation of porcine extraembryonic endoderm-like cells from blastocysts. *Cell Prolif.* 2020-03-20 [PMID: 32196806]

Tsai H, Wu H, Chou B et al. A magneto-microfluidic platform for fluorescence immunosensing using quantum dot nanoparticles. *Nanotechnology.* 2019-09-26 [PMID: 31557130]

T Bikkuzin, Y Shi, B Sun, Y Guo, X Jin, Z Han, V Pavlov, H Zhang Human induced pluripotent stem cell line HMUi001-A derived from corneal stromal cells *Stem Cell Res.* 2019-02-15;37(0):101409. 2019-02-15 [PMID: 31121475]

Li C, Dong X, Lin Y et al. Establishing a human embryonic stem cell line (SKLRMe005-A) from a blastocyst with congenital heart disease (CHD) *Stem cell research* 2023-02-13 [PMID: 36805323] (ICC/IF, Human)

Li C, Cai L, Dong J et al. Establishment of human embryonic stem cell (SKLRMe001-A)carrying Azoospermic factor c (AZFc) deletions *Stem cell research* 2021-12-18 [PMID: 34952435] (ICC/IF, Human)

Tsai HY, Li SY, Fuh CB. et al. Magnetofluorescent nanocomposites and quantum dots used for optimal application in magnetic fluorescence-linked immunoassay. *Anal Bioanal Chem* 2018-01-15 [PMID: 29335766]

Tsai H, Lin W, Chuang M et al. Multifunctional Nanoparticles for Protein Detections in Thin Channels. *Biosensors and Bioelectronics* 2016-11-12 [PMID: 27886602]

Ramon-Azcon J, Yasukawa T, Mizutani F. Immunodevice for simultaneous detection of two relevant tumor markers based on separation of different microparticles by dielectrophoresis. *Biosens Bioelectron.* 2011-08-04 [PMID: 21846587]

Funano SI, Sugahara M, Henares TG et al. A single-step enzyme immunoassay capillary sensor composed of functional multilayer coatings for diagnosis marker proteins. *Analyst.* 2015-01-19 [PMID: 25599100]





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Products Related to H00000174-M01

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)
NBP2-52171-0.05mg	Recombinant Human alpha-Fetoprotein/AFP His Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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