

Datasheet: 4520-5306

BATCH NUMBER 150319

Description:	MOUSE ANTI HUMAN ALPHA FETOPROTEIN
Specificity:	ALPHA FETOPROTEIN
Other names:	AFP
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	2I9/2 (166)
Isotype:	IgG
Quantity:	1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			
Western Blotting			▪	

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using the appropriate negative/positive controls.

Target Species	Human
Product Form	Ig fraction - liquid
Preparation	Ig fraction prepared by chromatography
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml

Immunogen Human fetal cord serum.

External Database

Links

UniProt:

[P02771](#) [Related reagents](#)

Entrez Gene:

[174](#) AFP [Related reagents](#)

Synonyms

HPAFP

RRID

AB_905912

Specificity

Mouse anti Human alpha fetoprotein antibody, clone 219/2 recognizes alpha fetoprotein (AFP), a member of the albuminoid superfamily. It is a ~68 kDa plasma protein found in fetuses over four weeks old, produced by the yolk sac and the fetal liver, with the highest concentration reached during the 12th to 16th week of gestation. It binds and transports various ligands such as bilirubin, fatty acids, steroids, heavy metals and various drugs. After birth, plasma levels drop to trace amounts in healthy adults

Elevated AFP levels are indicative of certain cancers, particularly hepatocellular carcinoma, cancer of the testes or ovaries or a malignant teratoma. During pregnancy increased levels of AFP may indicate neural tube defects such as spina bifida, while decreased levels could indicate Down's syndrome.

Mouse anti Human alpha fetoprotein antibody, clone 219/2 does not cross-react with human albumin and other human serum proteins.

Storage

Store at +4°C or at -20°C if preferred.
Storage in frost-free freezers is not recommended.
This product should be stored undiluted.
Avoid repeated freezing and thawing as this may denature the antibody.
Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee

12 months from date of despatch

Health And Safety Information

Material Safety Datasheet documentation #10040 available at:
<https://www.bio-rad-antibodies.com/SDS/4520-5306>
10040

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...) [RPE](#)

Goat Anti Mouse IgG IgA IgM (STAR87...) [HRP](#)

Goat Anti Mouse IgG (STAR76...) [RPE](#)

Rabbit Anti Mouse IgG (STAR13...) [HRP](#)
Goat Anti Mouse IgG (STAR70...) [FITC](#)
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight@488](#), [DyLight@550](#),
[DyLight@650](#), [DyLight@680](#), [DyLight@800](#),
[FITC](#), [HRP](#)
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)
Goat Anti Mouse IgG (STAR77...) [HRP](#)
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

'M363120:200528'

Printed on 18 Jan 2024

© 2024 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)