

## Datasheet: 4520-5219

<b>Description:</b>	RABBIT ANTI HUMAN ALPHA FETOPROTEIN
<b>Specificity:</b>	ALPHA FETOPROTEIN
<b>Other names:</b>	AFP
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	50 µl

## 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](http://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 appropriate negative/positive controls.

<b>Target Species</b>	Human
<b>Product Form</b>	Ig fraction - lyophilised
<b>Reconstitution</b>	Reconstitute in 50 µl of sterile distilled water. For long term storage the addition of a preservative is recommended.
<b>Preparation</b>	Ig fraction prepared by ammonium sulphate precipitation
<b>Buffer Solution</b>	Ammonium bicarbonate
<b>Preservative Stabilisers</b>	None present
<b>Approx. Protein Concentrations</b>	Ig concentration 12.1 mg/ml

<b>Immunogen</b>	Human alpha fetoprotein.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P02771</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">174</a> AFP    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	HPAFP
<b>RRID</b>	AB_905912
<b>Specificity</b>	<p><b>Rabbit anti Human alpha fetoprotein antibody</b> recognizes alpha fetoprotein (AFP), a member of the albuminoid superfamily. AFP 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. AFP 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.</p> <p>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.</p> <p>Rabbit anti Human alpha fetoprotein antibody does not cross-react with human albumin or with other human serum proteins.</p>
<b>Storage</b>	<p>Prior to reconstitution store at +4°C.  After reconstitution store at -20°C.  Storage in frost-free freezers is not recommended. This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
<b>Guarantee</b>	12 months from date of reconstitution.
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10122 available at: 10122: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10122.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10122.pdf</a>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

- Sheep Anti Rabbit IgG (STAR34...)    [FITC](#)  
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)  
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Sheep Anti Rabbit IgG (STAR35...)

[RPE](#)

Sheep Anti Rabbit IgG (STAR36...)

[DyLight®488](#), [DyLight®680](#), [DyLight®800](#)

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