Datasheet: MCA5861P

Description:	MOUSE ANTI HUMAN ALPHA FETOPROTEIN:HRP
Specificity:	ALPHA FETOPROTEIN
Other names:	AFP
Format:	HRP
Product Type:	Monoclonal Antibody
Clone:	125.7A2
Isotype:	IgG1
Quantity:	0.1 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
ELISA	▪			5µg/ml

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.

Target Species

Human

Product Form

Purified IgG conjugated to Horseradish Peroxidase (HRP) - liquid

Preparation

Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.01% Thiomersal
HRP Stabiliser (BUF052A)

Approx. Protein Concentrations

IgG concentration 1.0 mg/ml

External Database Links

UniProt:

P02771 Related reagents

Entrez Gene:

174 AFP Related reagents

Synonyms	HPAFP
Specificity	**Mouse anti Human alpha fetoprotein antibody, clone 125.7A2** is a monoclonal antibody recognizing alpha fetoprotein (AFP), a member of the albuminoid protein superfamily, along with albumin and vitamin D binding protein. Members of the albuminoid superfamily comprise molecules with three characteristic globular domains (Mizejewski 1995). AFP is a ~70kD 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 acts as a transport protein for various ligands such as bilirubin, fatty acids, steroids and heavy metals. After birth, plasma AFP levels drop rapidly with only trace amounts remaining in healthy adults. Changes in plasma levels of AFP have been documented in a variety of cancers including hepatocellular cancer (Sato *et al.* 1993). Mouse anti Human alpha fetoprotein antibody, clone 125.7A2 shows <0.1% reactivity with human serum albumin and IgG. Strong expression of AFP has been noted in the hepatic cell line HepG2.
ELISA	This product may be used as a detection reagent in a sandwich ELISA together with MCA5862G as the capture reagent. PHP152 may be used as a standard.
Storage	Store at +4°C. DO NOT FREEZE. 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.
Guarantee	18 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10131 available at: 10131: https://www.bio-rad-antibodies.com/uploads/MSDS/10131.pdf
Regulatory	For research purposes only

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