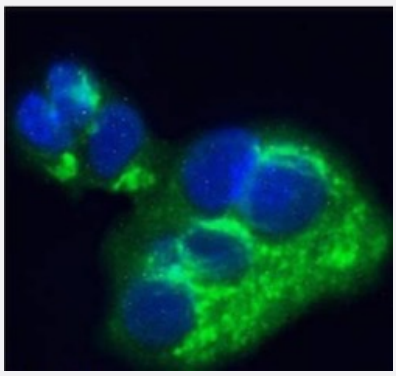
RecomAb™

AFP recombinant monoclonal antibody, clone AF5

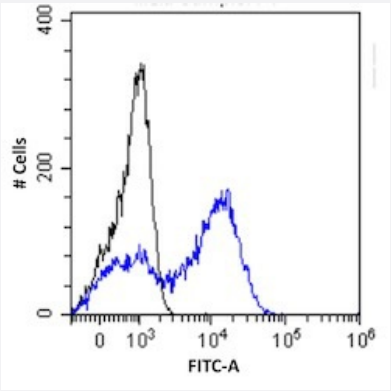
Catalog # RAB03658 Size 200 ug

Applications



Immunofluorescence

Immunofluoresent staining of HepG2 cells with AFP recombinant monoclonal antibody, clone AF5 (Cat # RAB03058).
Immunofluorescence analysis of paraformaldehyde fixed HepG2 cells-permewith 0.15% Triton stained with the chimeric r version of RAB03058 at 10 ug/ml for 1h followed by Alexa Fluor® 488 secondary antibody (1 ug/ml)-showing cytoplasmic staining. The nuclear stain is DAPI (blue). The negative control was stained with unimmunized r followed by Alexa Fluor® 488 secondary antibody.



Flow Cytometry

Flow cytometric analysis of HepG2 cells with AFP recombinant monoclonal antibody, clone AF5 (Cat # RAB03058).
HepG2 cells were stained with unimmunized r antibody (black line) or the rmeric version of RAB03058 (blue line) at a concentration of 10 ug/ml for 30 mins at RT. After washing- bound antibody was detected using anti-r JK (FITC-conjugate) antibody (129936) at 2 ug/ml and cells analyzed on a FACSCanto flow-cytometer.



Western Blot

Western blot analysis of HepG2 cells lysates with AFP recombinant monoclonal antibody, clone AF5 (Cat # RAB03058).

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Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human AFP.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against human amniotic fluid containing AFP.
Reactivity	Human
Form	Liquid
Conjugation	Unconjugated
Preparation Method	Mammalian cell (HEK293) expression system
Concentration	batch dependent
Isotype	IgG kappa
Recommend Usage	Flow Cytometry Immunofluorescence Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS with 0.02% Proclin 300
Storage Instruction	Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Immunofluorescence

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- Western Blot

Western blot analysis of HepG2 cells lysates with AFP recombinant monoclonal antibody, clone AF5 (Cat # RAB03058).

Gene Info — AFP

Entrez GeneID	174
Gene Name	AFP
Gene Alias	FETA, HPAFP
Gene Description	alpha-fetoprotein
Omim ID	104150
Gene Ontology	Hyperlink
Gene Summary	This gene encodes alpha-fetoprotein, a major plasma protein produced by the yolk sac and the liver during fetal life. Alpha-fetoprotein expression in adults is often associated with hepatoma or teratoma. However, hereditary persistance of alpha-fetoprotein may also be found in individuals with no obvious pathology. The protein is thought to be the fetal counterpart of serum albumin, and the alpha-fetoprotein and albumin genes are present in tandem in the same transcriptional orientation on chromosome 4. Alpha-fetoprotein is found in monomeric as well as dimeric and trimeric forms, and binds copper, nickel, fatty acids and bilirubin. The level of alpha-fetoprotein in amniotic fluid is used to measure renal loss of protein to screen for spina bifida and anencephaly. [provided by RefSeq
Other Designations	OTTHUMP00000160480|alpha-1-fetoprotein|alpha-fetoglobulin

Disease

- Carcinoma
- Liver Cirrhosis
- Liver Neoplasms

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