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Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Alpha-Fetoprotein [9H3] Standard Size Ab03495-1.1

This full-length reformatted mouse antibody was made using the variable domain sequences of the original Mouse scFv format for improved compatibility with existing reagents assays and techniques.

Isotype and Format: Mouse IgG1, Kappa

Clone Number: 9H3

Alternative Name(s) of Target: AFP; Alpha-fetoglobulin; A-Feto-protein

UniProt Accession Number of Target Protein: P02771

Published Application(s): functional assay, ELISA

Published Species Reactivity: Human

Immunogen: The original antibody was generated by immunizing BALB/c mice with human alpha-fetoprotein. The variable region genes of the antibody were used to generate the scFv version of this antibody.

Specificity: This antibody binds human alpha-fetoprotein (AFP). AFP is made in the liver of developing babies. It binds copper, nickel, and fatty acids as well as, and bilirubin less well than, serum albumin. AFP levels in healthy adults is very low. Elevated levels of AFP in adult human blood is a marker for cancer.

Application Notes: The binding characterization of this antibody to human alpha-fetoprotein was done using ELISA. The inhibitory effect of single-chain antibody against alpha-fetoprotein-positive liver cancer cells was studied and it was found that the scFv antibody has a significant growth inhibitory effect on AFP-positive HepG2 and Bel7402. The scFv antibody was also found to significantly increase the sensitivity of AFP-positive HepG2 cells to all-trans retinoic acid (CN103319595).

Antibody First Published in: [PMID:](#)

Note on publication:

Product Form

Size: 100 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic

procedures for humans or animals.