

Recombinant Mouse Alpha-fetoglobulin Protein

Catalog #	Source	Reactivity	Applications
CRP2850	Human cells	Mouse	E, WB, SDS-PAGE, MS

Description Recombinant Mouse Alpha-fetoglobulin Protein is produced by mammalian expression system and the target gene encoding Lys19-Val605 is expressed with a 10His tag at the C-terminus.

Form Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.

Gene Symbol AFP

Alternative Names HPAFP; Alpha-fetoprotein; Alpha-1-fetoprotein; Alpha-fetoglobulin

Entrez Gene 11576 (Mouse)

SwissProt P02772 (Mouse)

Purity Greater than 95% as determined by reducing SDS-PAGE.

Chemical Structure KALHENEFGI ASTLDSSQCV TEKNVLSIAT ITFTQFVPEA TEEEVNKMETS DVLAAMKKNS
 GDGCLESQLS VFLDEICHET ELSNKYGLSG CCSQSGVERH QCLLARKKTA PASVPPFQFP
 EPAESCKAHE ENRAVFMNRF IYEVSRRNPF MYAPAILSLA AQYDKVVLAC CKADNKEECF
 QTKRASIAGE LREGSMLNEH VCSVIRKFGS RNLQATTIHK LSQKLTEANF TEIQKLALDV
 AHIHEECCQG NSLECLQDGE KVMTYICSQQ NILSSKIAEC CKLPMIQLGF CIIHAENGVK
 PEGLSLNPSQ FLGDRNFAQF SSEEKIMFMA SFLHEYSRTH PNLPSVILR IAKTYQEILE
 KCSQSGNLPG CQDNLEELQ KHIEESQALS KQSCALYQTL GDYKLQNLFL IGYTRKAPQL
 TSAELIDLTG KMVSIASSTCC QLSEEKWSGC GEGMADIFIG HLCIRNEASP VNSGISHCCN
 SSYSNRRLCI TSFLRDETYA PPPFSEDKFI FHKDLCQAQG KALQTMKQEL LINLVKQKPE
 LTEEQLAAVT ADFSGLLEKC CKAQDQEVCF TEEGPKLISK TRDALGVGGG GSHHHHHHHH
 HH

Quality Control Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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Product Data Sheet

Directions for Use Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH₂O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Storage/Stability Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

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