

Recombinant Mouse CD71 Protein

Catalog #	Source	Reactivity	Applications
CRP2930	Human cells	Mouse	E, WB, SDS-PAGE, MS

Description Recombinant Mouse CD71 Protein is produced by mammalian expression system and the target gene encoding Cys89-Phe763 is expressed with a 8His tag at the N-terminus.

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

Gene Symbol TFRC

Alternative Names Transferrin receptor protein 1; TR; TfR; TfR1; Trfr; T9; p90; CD71

Entrez Gene 22042 (Mouse)

SwissProt Q62351 (Mouse)

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

Chemical Structure HHHHHHHHCK RVEQKEECVK LAETEETDKS ETMETEDVPT SSRLYWADLK TLLSEKLSNI
 EFADTIKQLS QNTYTPREAG SQKDESLAYY IENQFHEFKF SKVWRDEHYV KIQVKSSIGQ
 NMVTIVQSNG NLDPVESPEG YVAFSKPTEV SGKLVHANFG TTKDFEELSY SVNGSLVIVR
 AGEITFAEKV ANAQSFNAIG VLIYMDKNKF PVVEADLALF GHAHLGTGDP YTPGFPSFNH
 TQFPPSQSSG LPNIPVQTIS RAAAEKLF GK MEGSCPARWN IDSSCKLELS QNQNVKLIVK
 NVLKERRILN IFGVIKGYEE PDRYVVVGAQ RDALGAGVAA KSSVGTGLLL KLAQVFSDMI
 SKDGFRRSRS IIFASWTAGD FGAVGATEWL EGYLSSLHLK AFTYINLDKV VLGTSNFKVS
 ASPLLYTLMG KIMQDVKHPV DGKSLYRDSN WISKVEKLSF DNAAYPFLAY SGIPAVSFCF
 CEDADYPYLG TRLDTYEALT QKVPQLNQMV RTAAEVAGQL IIKLTHDVEL NLDYEMYNSK
 LLSFMKDLNQ FKTDIRD MGL SLQWLYSARG DYFRATSRLT TDFHNAEKTN RFVMREINDR
 IMKVEYHFLS PYVSPRESPF RHIFWGS GSH TLSALVENLK LRQKNITAFN ETLFRNQLAL
 ATWTIQGVAN ALSGDIWNID NEF

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

Quality Control	Endotoxin: Less than 0.1 ng/ μ g (1 IEU/ μ g) as determined by LAL test.
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 μ g/ml. Dissolve the lyophilized protein in ddH ₂ O. 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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