

Product Data Sheet

Recombinant Mouse CA14 Protein

Catalog #	Source	Reactivity	Applications
CRP1155	Human cells	M	E, WB, SDS-PAGE, MS
Description	Recombinant Mouse CA14 Protein is produced by mammalian expression system and the target gene encoding Ala16-Met290 is expressed with a 6His tag at the C-terminus.		
Form	Liquid in a 0.2 µM filtered solution of 20mM Tris, 150mM NaCl, pH 8.0.		
Gene Symbol	CA14		
Alternative Names	Carbonic anhydrase 14; Carbonate dehydratase XIV; Carbonic anhydrase XIV; CA-XIV		
Entrez Gene	23831 (Mouse)		
SwissProt	Q9WVT6 (Mouse)		
Purity	Greater than 95% as determined by reducing SDS-PAGE.		
Chemical Structure	ADGGHHWTYE GPHGQDHWPT SYPECGGDAQ SPINIQTDSV IFDPDLPAVQ PHGYDQLGTE PLDLHNNGHT VQLSLPPTLH LGGLPRKYTA AQLHLHWGQR GSLEGSEHQI NSEATAAELH VVHYDSQSYS SLSEAAQKPQ GLAVLGILIE VGETENPAYD HILSRLEHIR YKDQKTSVPP FSVRELFPPQ LEQFFRYNGS LTTPCYQSV LWTVFNNRAQ ISMGQLEKLQ ETLSSTEEDP SEPLVQNYRV PQPLNQRTIF ASFIQAGPLY TTGEMVDHHH HHH		
Quality Control	Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) 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 µg/ml. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.		
Storage/Stability	Store it at -20°C to -80°C for one year. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.		

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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