

Recombinant Mouse Carbonic Anhydrase 4 Protein

Catalog #	Source	Reactivity	Applications
CRP2857	Human cells	Mouse	E, WB, SDS-PAGE, MS
Description	Recombinant Mouse Carbonic Anhydrase 4 Protein is produced by mammalian expression system and the target gene encoding Glu18-Ser277 is expressed		
Form	Liquid in a 0.2 µm filtered solution of 20mM Tris, 150mM NaCl, pH8.0.		
Gene Symbol	CA4		
Alternative Names	Carbonic anhydrase 4; Carbonate dehydratase IV; Carbonic anhydrase IV; CA-IV		
Entrez Gene	12351 (Mouse)		
SwissProt	Q64444 (Mouse)		
Purity	Greater than 95% as determined by reducing SDS-PAGE.		
Chemical Structure	EDSGWCYEIQ TKDPRSSCLG PEKWPGACKE NQQSPINIVT ARTKVNPRLT PFILVGYDQK QQWPIKNNQH TVEMTLGGGA CIIGGDLPAR YEAVQLHLHW SNGNDNGSEH SIDGRHFAME MHIVHKKLTS SKEDSKDKFA VLA FMIEVGD KVNKGFQPLV EALPSISKPH STSTVRESSL QDMLPPSTKM YTYFRYNGSL TTPNCDETVI WTVYKQPIKI HKNQFLEFSK NLYYDEDQKL NMKDNVRPLQ PLGKRQVFKS		
Quality Control	Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.		
Directions for Use	Please 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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