

Mouse Monoclonal Antibody to CA1

Catalogue Number	sAP-0187
Target Molecule	Name: CA1 Aliases: Car1; CA1 MW: N/A Entrez Gene ID: 759
Description	CA1: carbonic anhydrase I. Carbonic anhydrases (CAs) are a large family of zinc metalloenzymes that catalyze the reversible hydration of carbon dioxide. They participate in a variety of biological processes, including respiration, calcification, acid-base balance, bone resorption, and the formation of aqueous humor, cerebrospinal fluid, saliva, and gastric acid. They show extensive diversity in tissue distribution and in their subcellular localization. CA1 is closely linked to CA2 and CA3 genes on chromosome 8, and it encodes a cytosolic protein which is found at the highest level in erythrocytes. Transcript variants of CA1 utilizing alternative polyA_sites have been described in literature.
Immunogen	Purified recombinant fragment of CA1 (aa25-90) expressed in E. Coli. ;
Reactive Species	Human
Clone	MM9D6D7;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.
Reconstitution/Storages	Reconstituted with 100µl sterile DI H2O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. Res Exp Med (Berl). 1998 Dec;198(4):175-85. ; 2. Drugs Exp Clin Res. 2001;27(2):53-60. ;

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**