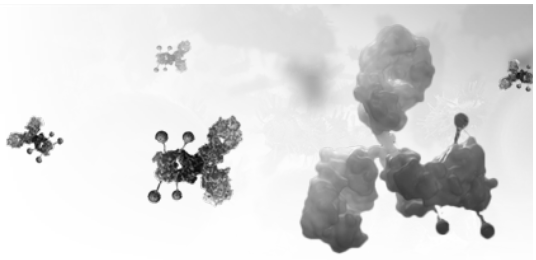

Mouse anti-Human CA7 monoclonal antibody, clone 4C8 (CABT-B9880)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	CA7 (NP_005173, 34 a.a. ~ 125 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	4C8
Conjugate	Unconjugated
Applications	WB,ELISA
Sequence Similarities	NIISSQAVYSPSLQPLELSYEACMSLSITNNGHSVQVDFNDSDDRTVVTGGPLEGPYRLK QFHFHWGKKHDVGSEHTVDGKSFPSELHLVH*
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	Carbonic anhydrases are a large family of zinc metalloenzymes that catalyze the reversible hydration of carbon dioxide. They participate in a variety of biological processes, including

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	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. The cytosolic protein encoded by this gene is predominantly expressed in the salivary glands. Alternative splicing in the coding region results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]
Keywords	CA7; carbonic anhydrase VII; CAVII; carbonic anhydrase 7; CA-VII; carbonic dehydratase VII; carbonate dehydratase VII;

GENE INFORMATION

Entrez Gene ID	766
UniProt ID	Q86YU0
Pathway	Nitrogen metabolism, organism-specific biosystem; Nitrogen metabolism, conserved biosystem
Function	carbonate dehydratase activity; lyase activity; metal ion binding; zinc ion binding

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