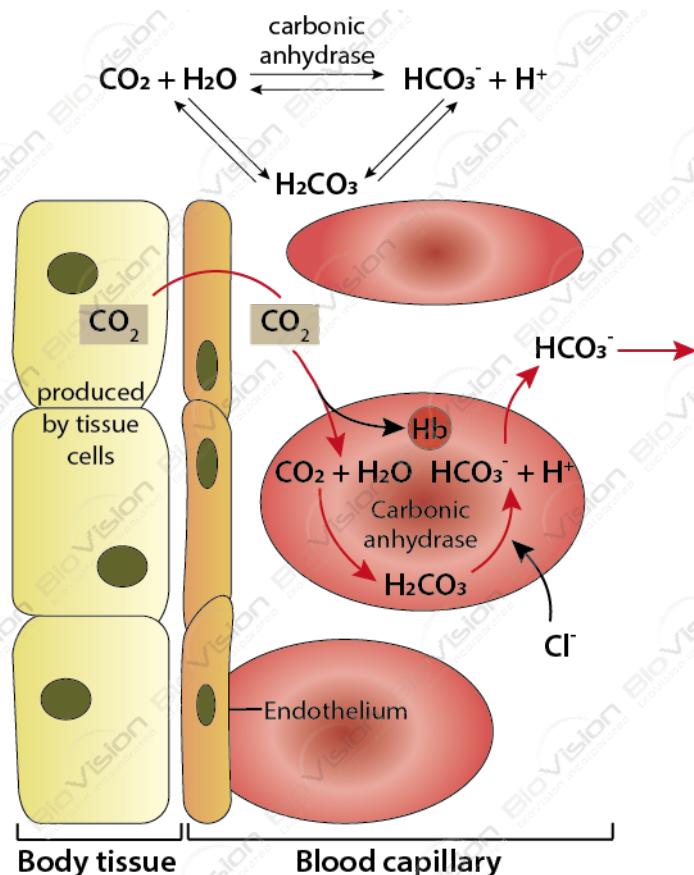


Carbonic Anhydrase Research Products

Carbonic anhydrases (CAs), a group of ubiquitously expressed metalloenzymes, are found in red blood cells, gastric mucosa, pancreatic cells and renal tubules. They catalyze the interconversion of carbon dioxide and carbonic acid. These enzymes are involved in numerous physiological and pathological processes, including gluconeogenesis, lipogenesis, ureagenesis, tumorigenicity and the growth and virulence of various pathogens. Several CA inhibitors (CAIs) such as acetazolamide, methazolamide, ethoxzolamide, dichlorophenamide, etc. have been approved by the U.S. FDA as diuretic and anti-glaucoma agents. Additionally, it has recently emerged that CAIs have the potential to be used as novel anti-obesity, anti-cancer and anti-infective drugs. Furthermore, recent studies suggest that CA activation may provide a novel therapy for Alzheimer's disease. BioVision offers CAs and several Carbonic anhydrase-related products for research use including assay kits, antibodies, and enzymes.



Assay Kits

Product Name	Cat. No.	Size
Carbonic Anhydrase (CA) Activity Assay Kit (C)	K472	100 assays
Carbonic Anhydrase (CA) Inhibitor Screening Kit (C)	K473	100 assays
Carbonic anhydrase 9 (CA9)(Human) ELISA Kit	E4353	100 assays

Antibodies

Product Name	Cat. No.	Size
Anti-CA12 Antibody	A1865	100 μ l
Anti-CA13 Antibody	A1404	100 μ l
Anti-Carbonic Anhydrase 2 Antibody	A2007	100 μ l
Anti-Carbonic Anhydrase IX Antibody (CA9/781)	A1463	100 μ g
Anti-CHST9 Antibody	A1177	100 μ l

155 S. Milpitas Blvd, Milpitas, CA 95035

T: 408-493-1800 F: 408-493-1801

Toll Free: 800-891-9699 (US Only)

Proteins/Enzymes

Product Name	Cat. No.	Size
E. coli Recombinant Carbonic anhydrase	P1049	10 µg, 50 µg
Human CellExp™ Carbonic Anhydrase 10/CA10, human recombinant	7485	10 µg
Human Recombinant Carbonic anhydrase 2	6390	100 µg
Human CellExp™ Carbonic Anhydrase 2/CA2, human recombinant	7479	10 µg, 50 µg
Carbonic Anhydrase 3, human recombinant	7833	10 µg, 50 µg
Human CellExp™ Carbonic Anhydrase 4/CA4, human recombinant	7484	10 µg
Human CellExp™ Carbonic Anhydrase 9/CA9, human recombinant	7478	10 µg
Human CellExp™ Carbonic Anhydrase IX / CA9, Human Recombinant	P1336	10 µg
Carbonic Anhydrase XIV/CA14, Human Recombinant	P1582	20 µg, 100 µg
Carbonic anhydrase-1, human recombinant	P1048	10 µg, 50 µg
Carbonic anhydrase-8, human recombinant	P1047	10 µg, 50 µg
Active Recombinant Human CAXII Protein	P1704	20 µg, 50 µg
Recombinant E. coli, D-lactate Dehydrogenase	P1053	10 µg, 50 µg

Inhibitors

Product Name	Cat. No.	Size	Cas. No
Acetazolamide	B3271	1 g, 5 g	59-66-5
Dichlorphenamide	B3272	10 mg, 50 mg	120-97-8
Dorzolamide Hydrochloride	B2185	10 mg, 50 mg	130693-82-2
Indisulam	B2463	5 mg, 25 mg	165668-41-7
KC7F2	9641	10 mg, 50 mg	927822-86-4
Methazolamide	B3259	10 mg, 50 mg	554-57-4
U-104	9631	5 mg, 25 mg	178606-66-1

Please visit www.BioVision.com for detailed information on these products.