Human CA9 Antibody Pair Set

Catalog No. E-KAB-0415 **Applications** ELISA
Synonyms CAIX;CA-IX;MN;Carbonic Dehydratase;RCC-Associated Protein G250

Kit components & Storage

Title	Specifications	Storage
Human CA9 Capture Antibody	1 vial, 100 μg	Store at -20℃ for one year. Avoid freeze/thaw cycles.
Human CA9 Detection Antibody (Biotin)	1 vial, 50 μL	Store at -20℃ for one year. Avoid freeze/thaw cycles.

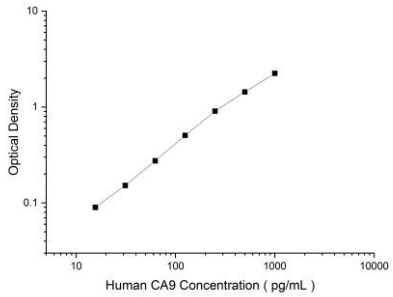
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0415)	
		Human CA9 Capture Antibody	Human CA9 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human CA9 protien	Recombinant Human CA9 protien
	Swissprot	Q16790	
Product details	Reactivity	Human	Human
	Host	Goat	Goat
	Conjugation	Unconjugated	Biotin
	Concentration	0.5 mg/mL	/
	Buffer	PBS with 0.04% Proclin 300; 50% glycerol; pH 7.5	PBS with 0.04% Proclin 300; 1% protective protein; 50% glycerol; pH 7.5
	Purify	Antigen Affinity	Antigen Affinity
	Specificity	Detects Human CA9 in ELISAs.	

Applications

Human CA9 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4 μg/mL	Human CA9 Capture Antibody	
ELISA Detection	1:1000-1:10000	Human CA9 Detection Antibody (Biotin)	

Note: This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

Background

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. CA IX is a transmembrane protein and the only tumor-associated carbonic anhydrase isoenzyme known. It is expressed in all clear-cell renal cell carcinoma , but is not detected in normal kidney or most other normal tissues. It may be involved in cell proliferation and transformation.