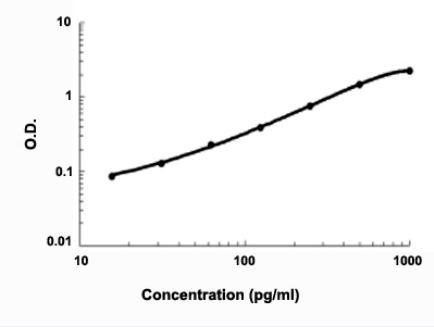
CA9 (Human) ELISA Kit

Catalog # KA3887 Size 1 Kit

Applications



The standard curve is for the purpose of demonstration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

Specification

Product Description	CA9 (Human) ELISA Kit is a sandwich enzyme immunoassay for the quantitative measurement of human CA9.
Suitable Sample	Cell culture supernates, serum, plasma (heparin, EDTA, citrate) and urine
Sample Volume	100 uL
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Quantitative
Calibration Range	15.6 to 1000 pg/ml
Reactivity	Human
Regulation Status	For research use only (RUO)
Quality Control Testing	Standard curve The standard curve is for the purpose of demonstration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.
Storage Instruction	Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles.

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Applications

- Quantification

Gene Info — CA9

Entrez GeneID	768
Gene Name	CA9
Gene Alias	CAIX, MN
Gene Description	carbonic anhydrase IX
Omim ID	603179
Gene Ontology	Hyperlink
Gene Summary	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 respir ation, calcification, acid-base balance, bone resorption, and the formation of aqueous humor, cer ebrospinal 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 car bonic 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. This gene was mapped to 17q21.2 by fluorescence in situ hybridization, however, radiation hybrid mapping localized it to 9p13-p12. [provided by RefSeq
Other Designations	OTTHUMP00000022773|RCC-associated protein G250|carbonic dehydratase

Pathway

- Nitrogen metabolism

Disease

- Alzheimer disease
- Carcinoma
- Cardiovascular Diseases
- Cerebral Amyloid Angiopathy

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- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Head and Neck Neoplasms
- Kidney Neoplasms
- Neoplasm Recurrence
- Neoplasms
- Neuroblastoma

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