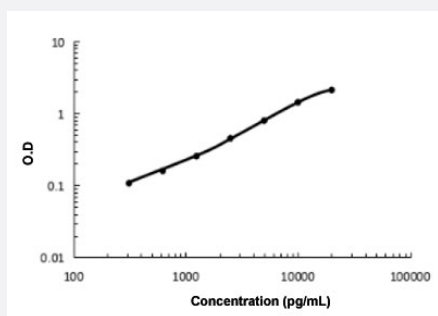


CA4 (Human) ELISA Kit

Catalog # KA5791 Size 1 Kit

Applications



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

Specification

Product Description	CA4 (Human) ELISA Kit is a sandwich enzyme-linked immunosorbent assay for the quantitative measurement of human CA4.
Suitable Sample	Cell Culture Supernates, Plasma (Heparin, EDTA, Citrate), Serum.
Sample Volume	100 uL
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Quantitative
Calibration Range	312 to 20000 pg/mL
Reactivity	Human
Regulatory Status	For research use only (RUO)
Quality Control Testing	Standard curve The standard curve is for the purpose of illustration 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.

Applications

- Quantification

Gene Info — CA4

Entrez GeneID [762](#)

Protein Accession# [P22748](#)

Gene Name CA4

Gene Alias CAIV, Car4, RP17

Gene Description carbonic anhydrase IV

Omim ID [114760 600852](#)

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 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. This gene encodes a glycosylphosphatidyl-inositol-anchored membrane isozyme expressed on the luminal surfaces of pulmonary (and certain other) capillaries and proximal renal tubules. Its exact function is not known; however, it may have a role in inherited renal abnormalities of bicarbonate transport. [provided by RefSeq]

Other Designations carbonic dehydratase|retinitis pigmentosa 17 (autosomal dominant)

Pathway

- [Nitrogen metabolism](#)

Disease

- [Retinal Diseases](#)