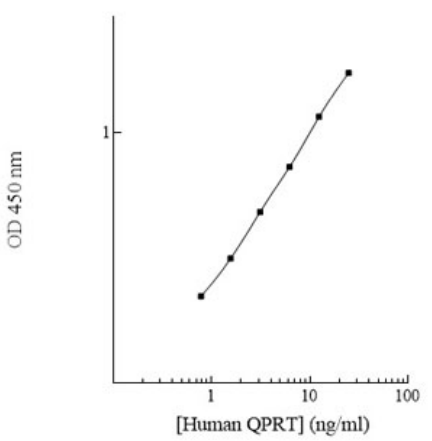
QPRT (Human) ELISA Kit

Catalog # KA6117 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	QPRT (Human) ELISA Kit is a sandwich enzyme-linked immunosorbent assay for quantitative detecti on of human QPRT in Serum, Plasma and Cell Culture.
Suitable Sample	Serum, Plasma, Cell Culture
Sample Volume	50 uL
Label	Peroxidase-conjugated
Detection Method	Colorimetric
Assay Type	Quantitative
Calibration Range	0.781 to 25 ng/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 unknown s. A standard curve should be generated each time the assay is performed.

Storage Instruction	Store components of the kit at 4°C or -20°C as described in the protocol.

Applications

- Quantification

Gene Info — QPRT

Entrez GeneID	23475
Protein Accession#	Q15274
Gene Name	QPRT
Gene Alias	QPRTase
Gene Description	quinolinate phosphoribosyltransferase
Omim ID	606248
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a key enzyme in catabolism of quinolinate, an intermediate in the tryptophan-nicotinamide adenine dinucleotide pathway. Quinolinate acts as a most potent endogenous exitotoxin to neurons. Elevation of quinolinate levels in the brain has been linked to the pathogenesis of neurodegenerative disorders such as epilepsy, Alzheimer's disease, and Huntington's disease. [provided by RefSeq
Other Designations	nicotinate-nucleotide pyrophosphorylase (carboxylating)

Pathway

- Biosynthesis of alkaloids derived from ornithine
- Metabolic pathways
- Nicotinate and nicotinamide metabolism