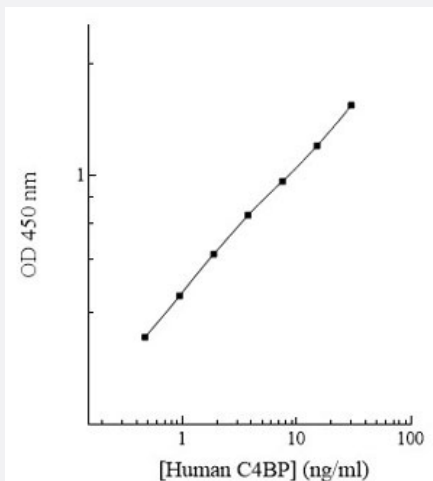


# C4BPA (Human) ELISA Kit

Catalog # KA6088

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

<b>Product Description</b>	C4BPA (Human) ELISA Kit is a competitive enzyme-linked immunosorbent assay for quantitative measurement of human C4BPA in plasma, serum, milk, urine, saliva, CSF, and cell culture.
<b>Suitable Sample</b>	plasma, serum, milk, urine, saliva, CSF, and cell culture
<b>Sample Volume</b>	50 $\mu$ L
<b>Label</b>	Peroxidase-conjugated
<b>Detection Method</b>	Colorimetric
<b>Assay Type</b>	Quantitative
<b>Calibration Range</b>	0.469 to 30 ng/mL
<b>Reactivity</b>	Human
<b>Regulatory Status</b>	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 components of the kit at 4°C or -20°C as described in the protocol.

## Applications

- Quantification

## Gene Info — C4BPA

**Entrez GeneID**[722](#)**Protein Accession#**[P04003](#)**Gene Name**

C4BPA

**Gene Alias**

C4BP, PRP

**Gene Description**

complement component 4 binding protein, alpha

**Omim ID**[120830](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This gene encodes a member of a superfamily of proteins composed predominantly of tandemly arrayed short consensus repeats of approximately 60 amino acids. Along with a single, unique beta-chain, seven identical alpha-chains encoded by this gene assemble into the predominant isoform of C4b-binding protein, a multimeric protein that controls activation of the complement cascade through the classical pathway. The genes encoding both alpha and beta chains are located adjacent to each other on human chromosome 1 in the regulator of complement activation gene cluster. Two pseudogenes of this gene are also found in the cluster. [provided by RefSeq]

**Other Designations**

C4b binding protein, alpha chain|OTTHUMP00000034376|complement component 4 binding protein, alpha chain|complement component 4-binding protein, alpha|proline-rich protein

## Pathway

- [Complement and coagulation cascades](#)

## Disease

- [Birth Weight](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Hemolytic-Uremic Syndrome](#)
- [Kidney Failure](#)
- [Leukemia](#)
- [Lymphoma](#)
- [Macular Degeneration](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Venous Thrombosis](#)