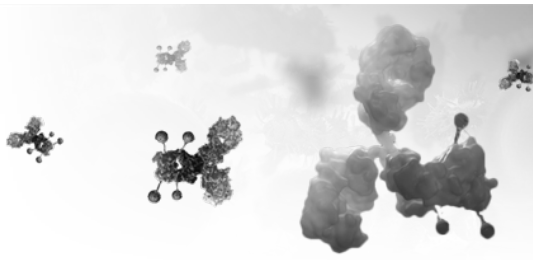

Human G6PD blocking peptide (CDBP1311)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-G6PD (aa 305 - 318) antibody
Antigen Description	This gene encodes glucose-6-phosphate dehydrogenase. This protein is a cytosolic enzyme encoded by a housekeeping X-linked gene whose main function is to produce NADPH, a key electron donor in the defense against oxidizing agents and in reductive biosynthetic reactions. G6PD is remarkable for its genetic diversity. Many variants of G6PD, mostly produced from missense mutations, have been described with wide ranging levels of enzyme activity and associated clinical symptoms. G6PD deficiency may cause neonatal jaundice, acute hemolysis, or severe chronic non-spherocytic hemolytic anemia. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	G6PD glucose-6-phosphate dehydrogenase [Homo sapiens]
Official Symbol	G6PD

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Synonyms	G6PD; glucose-6-phosphate dehydrogenase; glucose-6-phosphate 1-dehydrogenase; G6PD1; glucose-6-phosphate dehydrogenase, G6PD;
Entrez Gene ID	2539
mRNA Refseq	NM_000402
Protein Refseq	NP_000393
UniProt ID	P11413
Chromosome Location	Xq28
Pathway	Glutathione metabolism, organism-specific biosystem; Glutathione metabolism, organism-specific biosystem; Glutathione metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of carbohydrates, organism-specific biosystem; Pentose Phosphate Pathway, organism-specific biosystem;
Function	NADP binding; glucose binding; glucose binding; glucose-6-phosphate dehydrogenase activity; oxidoreductase activity; protein homodimerization activity;

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