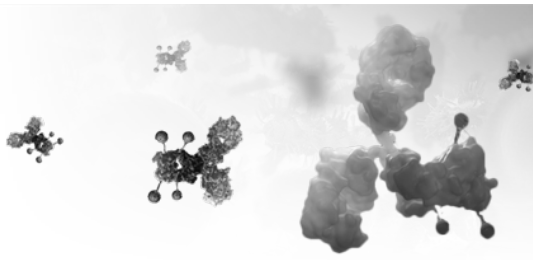

Human FH blocking peptide (CDBP1305)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-Fumarase/FH antibody
Antigen Description	The protein encoded by this gene is an enzymatic component of the tricarboxylic acid (TCA) cycle, or Krebs cycle, and catalyzes the formation of L-malate from fumarate. It exists in both a cytosolic form and an N-terminal extended form, differing only in the translation start site used. The N-terminal extended form is targeted to the mitochondrion, where the removal of the extension generates the same form as in the cytoplasm. It is similar to some thermostable class II fumarases and functions as a homotetramer. Mutations in this gene can cause fumarase deficiency and lead to progressive encephalopathy. [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	FH fumarate hydratase [Homo sapiens (human)]
Official Symbol	FH
Synonyms	FH; fumarate hydratase; MCL; LRCC; HLRCC; MCUL1; fumarate hydratase, mitochondrial;

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	fumarase;
Entrez Gene ID	2271
mRNA Refseq	NM_000143.3
Protein Refseq	NP_000134.2
UniProt ID	B1ANK7
Chromosome Location	1q42.1
Pathway	Carbon metabolism, organism-specific biosystem; Carbon metabolism, conserved biosystem; Citrate cycle (TCA cycle), organism-specific biosystem; Citrate cycle (TCA cycle), conserved biosystem; Citrate cycle (TCA cycle, Krebs cycle), organism-specific biosystem; Citrate cycle (TCA cycle, Krebs cycle), conserved biosystem; Citrate cycle, second carbon oxidation, 2-oxoglutarate => oxaloacetate, organism-specific biosystem; Citrate cycle, second carbon oxidation, 2-oxoglutarate => oxaloacetate,
Function	fumarate hydratase activity;

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