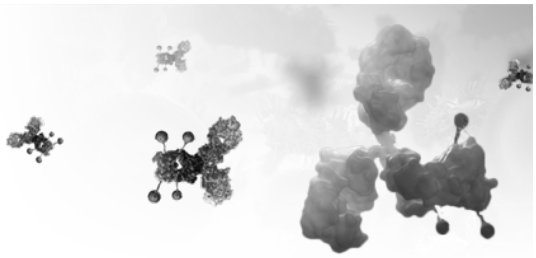

Human CFTR blocking peptide (CDBP1904)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-MRP7 antibody
Antigen Description	This gene encodes a member of the ATP-binding cassette (ABC) transporter superfamily. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This protein is a member of the MRP subfamily that is involved in multi-drug resistance. The encoded protein functions as a chloride channel and controls the regulation of other transport pathways. Mutations in this gene are associated with the autosomal recessive disorders cystic fibrosis and congenital bilateral aplasia of the vas deferens. Alternatively spliced transcript variants have been described, many of which result from mutations in 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	CFTR cystic fibrosis transmembrane conductance regulator (ATP-binding cassette sub-family C, member 7) [Homo sapiens (human)]

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Official Symbol	CFTR
Synonyms	CFTR; cystic fibrosis transmembrane conductance regulator (ATP-binding cassette sub-family C, member 7); CF; MRP7; ABC35; ABCC7; CFTR/MRP; TNR-CFTR; dJ760C5.1; cystic fibrosis transmembrane conductance regulator; cAMP-dependent chloride channel; channel conductance-controlling ATPase;
Entrez Gene ID	1080
mRNA Refseq	NM_000492.3
Protein Refseq	NP_000483.3
UniProt ID	P13569
Chromosome Location	7q31.2
Pathway	ABC transporters, organism-specific biosystem; ABC transporters, conserved biosystem; ABC-family proteins mediated transport, organism-specific biosystem; Bile secretion, organism-specific biosystem; Bile secretion, conserved biosystem; Gastric acid secretion, organism-specific biosystem; Gastric acid secretion, conserved biosystem; Pancreatic secretion, organism-specific biosystem; Pancreatic secretion, conserved biosystem; Transmembrane transport of small molecules, organism-specific biosystem
Function	ATP binding; ATP-binding and phosphorylation-dependent chloride channel activity; PDZ domain binding; bicarbonate transmembrane transporter activity; channel-conductance-controlling ATPase activity; chloride channel activity; chloride channel inhibitor ac

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