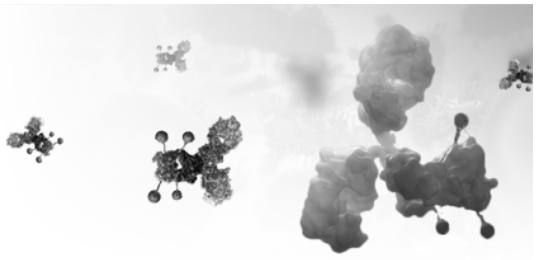

Human DRD4 blocking peptide (CDBP1037)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-Dopamine receptor D4/DRD4 antibody
Antigen Description	This gene encodes the D4 subtype of the dopamine receptor. The D4 subtype is a G-protein coupled receptor which inhibits adenylyl cyclase. It is a target for drugs which treat schizophrenia and Parkinson disease. Mutations in this gene have been associated with various behavioral phenotypes, including autonomic nervous system dysfunction, attention deficit/hyperactivity disorder, and the personality trait of novelty seeking. This gene contains a polymorphic number (2-10 copies) of tandem 48 nt repeats; the sequence shown contains four repeats. [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	DRD4 dopamine receptor D4 [Homo sapiens]
Official Symbol	DRD4
Synonyms	DRD4; dopamine receptor D4; D(4) dopamine receptor; dopamine D4 receptor; D(2C)

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	dopamine receptor; seven transmembrane helix receptor; D4DR;
Entrez Gene ID	1815
mRNA Refseq	NM_000797
Protein Refseq	NP_000788
UniProt ID	P21917
Chromosome Location	11p15.5
Pathway	Amine ligand-binding receptors, organism-specific biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; Dopamine receptors, organism-specific biosystem; Dopaminergic synapse, organism-specific biosystem; Dopaminergic synapse, conserved biosystem; G alpha (i) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem;
Function	G-protein coupled receptor activity; SH3 domain binding; dopamine binding; dopamine receptor activity; dopamine receptor activity, coupled via Gi/Go; dopamine receptor activity, coupled via Gi/Go; drug binding; potassium channel regulator activity; protei

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