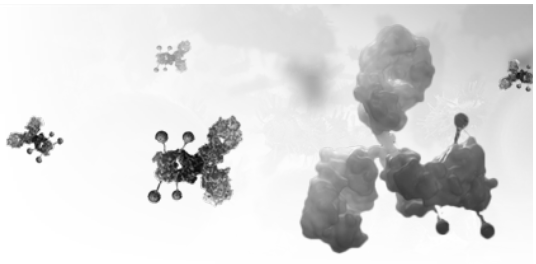

APOBEC3G blocking peptide (CDBP5091)

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

PRODUCT INFORMATION

Antigen Description	This gene is a member of the cytidine deaminase gene family. It is one of seven related genes or pseudogenes found in a cluster, thought to result from gene duplication, on chromosome 22. Members of the cluster encode proteins that are structurally and functionally related to the C to U RNA-editing cytidine deaminase APOBEC1. It is thought that the proteins may be RNA editing enzymes and have roles in growth or cell cycle control. The protein encoded by this gene has been found to be a specific inhibitor of human immunodeficiency virus-1 (HIV-1) infectivity. [provided by RefSeq, Jul 2008]
Conjugate	Unconjugated
Applications	Used as a blocking peptide in immunoblotting applications.
Format	Liquid
Concentration	200 μg/mL
Size	0.05 mg
Preservative	None
Storage	-20°C

GENE INFORMATION

Gene Name	APOBEC3G apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3G [Homo sapiens (human)]
Official Symbol	APOBEC3G
Synonyms	APOBEC3G; apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3G; A3G; ARCD; ARP9; ARP-9; CEM15; CEM-15; MDS019; bK150C2.7; dJ494G10.1; DNA dC-> dU-

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	editing enzyme APOBEC-3G; deoxycytidine deaminase; APOBEC-related protein 9; DNA dC-> dU editing enzyme; phorbolin-like protein MDS019; APOBEC-related cytidine deaminase; apolipoprotein B mRNA editing enzyme cytidine deaminase; apolipoprotein B editing enzyme catalytic polypeptide-like 3G; apolipoprotein B mRNA-editing enzyme catalytic polypeptide 3G
Entrez Gene ID	60489
mRNA Refseq	NM_021822
Protein Refseq	NP_068594
UniProt ID	Q9HC16
Pathway	APOBEC3G mediated resistance to HIV-1 infection; Disease; HIV Infection; Host Interactions of HIV factors; Integrated Breast Cancer Pathway; Vif-mediated degradation of APOBEC3G
Function	RNA binding; cytidine deaminase activity; deoxycytidine deaminase activity; protein binding; protein homodimerization activity; zinc ion binding

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