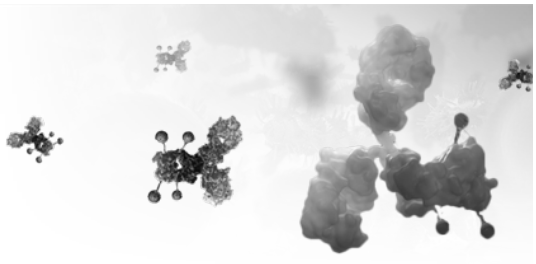

STIM1 blocking peptide (CDBP6202)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes a type 1 transmembrane protein that mediates Ca2+ influx after depletion of intracellular Ca2+ stores by gating of store-operated Ca2+ influx channels (SOCs). It is one of several genes located in the imprinted gene domain of 11p15.5, an important tumor-suppressor gene region. Alterations in this region have been associated with the Beckwith-Wiedemann syndrome, Wilms tumor, rhabdomyosarcoma, adrenocrotical carcinoma, and lung, ovarian, and breast cancer. This gene may play a role in malignancies and disease that involve this region, as well as early hematopoiesis, by mediating attachment to stromal cells. Mutations in this gene are associated with fatal classic Kaposi sarcoma, immunodeficiency due to defects in store-operated calcium entry (SOCE) in fibroblasts, ectodermal dysplasia and tubular aggregate myopathy. This gene is oriented in a head-to-tail configuration with the ribonucleotide reductase 1 gene (RRM1), with the 3' end of this gene situated 1.6 kb from the 5' end of the RRM1 gene. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, May 2013]
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	STIM1 stromal interaction molecule 1 [Homo sapiens (human)]

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Official Symbol	STIM1
Synonyms	STIM1; stromal interaction molecule 1; GOK; TAM; TAM1; IMD10; STRMK; D11S4896E
Entrez Gene ID	6786
mRNA Refseq	NM_001277961
Protein Refseq	NP_001264890
UniProt ID	Q13586
Pathway	Adaptive Immune System; Antigen activates B Cell Receptor (BCR) leading to generation of second messengers; Calcium signaling pathway; Elevation of cytosolic Ca2+ levels; Hemostasis; Immune System; Platelet activation; Platelet calcium homeostasis
Function	calcium channel regulator activity; calcium ion binding; identical protein binding; microtubule plus-end binding; protein binding; store-operated calcium channel activity

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