CD Creative Diagnostics®

ORAI1 blocking peptide (CDBP5868)

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

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene is a membrane calcium channel subunit that is activated by the calcium sensor STIM1 when calcium stores are depleted. This type of channel is the primary way for calcium influx into T-cells. Defects in this gene are a cause of immune dysfunction with T-cell inactivation due to calcium entry defect type 1 (IDTICED1). [provided by RefSeq, Sep 2011]
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	ORAI1 ORAI calcium release-activated calcium modulator 1 [Homo sapiens (human)]
Official Symbol	ORAI1
Synonyms	ORAI1; ORAI calcium release-activated calcium modulator 1; IMD9; TAM2; ORAT1; CRACM1; TMEM142A; calcium release-activated calcium channel protein 1; protein orai-1; transmembrane protein 142A; calcium release-activated calcium modulator 1
Entrez Gene ID	84876

mRNA Refseq	NM_032790
Protein Refseq	NP_116179
UniProt ID	Q96D31
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	calmodulin binding; protein binding; store-operated calcium channel activity