

Human ORAI1 blocking peptide (CDBP2124)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-ORAI1/CRACM1 antibody
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]
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	ORAI1 ORAI calcium release-activated calcium modulator 1 [Homo sapiens]
Official Symbol	ORAI1
Synonyms	ORAI1; ORAI calcium release-activated calcium modulator 1; TMEM142A, transmembrane

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221
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	protein 142A; calcium release-activated calcium channel protein 1; calcium release activated calcium modulator 1; CRACM1; FLJ14466; protein orai-1; transmembrane protein 142A; calcium release-activated calcium modulator 1; ORAT1; TMEM142A;
Entrez Gene ID	84876
mRNA Refseq	NM_032790
Protein Refseq	NP_116179
UniProt ID	Q96D31
Chromosome Location	12q24.31
Pathway	Adaptive Immune System, organism-specific biosystem; Antigen Activates B Cell Receptor Leading to Generation of Second Messengers, organism-specific biosystem; Elevation of cytosolic Ca2+ levels, organism-specific biosystem; Hemostasis, organism-specific biosystem; Immune System, organism-specific biosystem; Platelet calcium homeostasis, organism-specific biosystem; Platelet homeostasis, organism-specific biosystem;
Function	ion channel activity; protein binding; store-operated calcium channel activity;

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