



Human ORAI1 blocking peptide (CDBP2122)

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

PRODUCT INFORMATION

Product Overview	Blocking peptide for anti-ORAI1 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	BL
Format	Liquid
Concentration	200 µg/ml
Size	50 µg
Buffer	PBS containing 0.02% sodium azide
Preservative	0.02% Sodium Azide
Storage	Store at -20°C, stable for one year.

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 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 Ca ²⁺ 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;