

Immunotag™ ORAI1 Antibody

Antibody Specification	
Catalog No.	ITA7888
Product Description	Immunotag™ ORAI1 Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	ORAI1
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC,ELISA
Recommended Dilution	WB 1:1000-3000 IHC 1:200
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human ORAI1
Specificity	ORAI1 Antibody detects endogenous levels of total ORAI1
Purification	The antiserum was purified by peptide affinity chromatography.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	ORAI1
Accession No.	Q96D31
Alternate Names	Calcium release activated calcium channel protein 1; Calcium release activated calcium modulator 1; Calcium release-activated calcium channel protein 1; CRACM 1; CRACM1; CRCM1; CRCM1_HUMAN; FLJ14466; Orai 1; ORAI calcium release activated calcium modulator 1; orai1; ORAT1; Protein orai 1; Protein orai-1; TMEM 142A; TMEM142A; Transmembrane protein 142A;

Antibody Specification

Description	Ca ²⁺ release-activated Ca ²⁺ (CRAC) channel subunit which mediates Ca ²⁺ influx following depletion of intracellular Ca ²⁺ stores and channel activation by the Ca ²⁺ sensor, STIM1 (PubMed:16582901, PubMed:16645049, PubMed:16733527, PubMed:16766533, PubMed:16807233, PubMed:19249086, PubMed:23307288, PubMed:24351972, PubMed:24591628, PubMed:28219928). CRAC channels are the main pathway for Ca ²⁺ influx in T-cells and promote the immune response to pathogens by activating the transcription factor NFAT (PubMed:16582901).
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	50 kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.