

## ORAI1 Conjugated Antibody

Catalog No: #C37133



Package Size: #C37133-AF350 100ul #C37133-AF405 100ul #C37133-AF488 100ul  
 #C37133-AF555 100ul #C37133-AF594 100ul #C37133-AF647 100ul  
 #C37133-AF680 100ul #C37133-AF750 100ul #C37133-Biotin 100ul

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## Description

Product Name	ORAI1 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total ORAI1 protein.
Immunogen Description	Synthetic peptide corresponding to a region derived from internal residues of human ORAI calcium release-activated calcium modulator 1
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	IMD9; ORAT1; CRACM1; TMEM142A
Accession No.	Swiss-Prot#:Q96D31NCBI Gene ID:84876NCBI Protein#:NP_002745
Uniprot	Q96D31
GeneID	84876;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

## Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

## Background

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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).

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Note: This product is for in vitro research use only