

## Anti-ORAI1(L1) antibody

|                 |                                                         |
|-----------------|---------------------------------------------------------|
| <b>Cat. No.</b> | ml160922                                                |
| <b>Package</b>  | 25 µl/100 µl/200 µl                                     |
| <b>Storage</b>  | -20°C, pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol |

### Product overview

|                     |                                           |
|---------------------|-------------------------------------------|
| <b>Description</b>  | Anti-ORAI1(L1) rabbit polyclonal antibody |
| <b>Applications</b> | ELISA, WB                                 |
| <b>Immunogen</b>    | Synthetic peptide of human ORAI1          |
| <b>Reactivity</b>   | Human, Mouse, Rat                         |
| <b>Content</b>      | 0.84 mg/ml                                |
| <b>Host species</b> | Rabbit                                    |
| <b>Ig class</b>     | Immunogen-specific rabbit IgG             |
| <b>Purification</b> | Antigen affinity purification             |

### Target information

|                  |                                                    |
|------------------|----------------------------------------------------|
| <b>Symbol</b>    | ORAI1(L1)                                          |
| <b>Full name</b> | ORAI calcium release-activated calcium modulator 1 |
| <b>Synonyms</b>  | IMD9; TAM2; ORAT1; CRACM1; TMEM142A                |
| <b>Swissprot</b> | Q96D31                                             |

### Target Background

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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#### Applications

##### Western blotting

Predicted band size: 33 kDa

Positive control: Jurkat and PC3 cell lysates

Recommended dilution: 200-1000

Gel: 12% SDS-PAGE

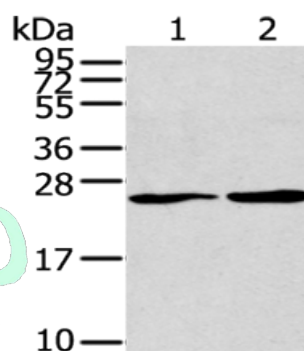
Lysate: 40 µg

Lane 1-2: Jurkat and PC3 cell lysates

Primary antibody: ml160922 (ORAI1 (L1) Antibody) at dilution 1/250

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 10 minutes



##### ELISA

Recommended dilution: 1000-2000

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