

# CoraLite<sup>®</sup> Plus 488-conjugated TCF7L1/TCF7L2 Monoclonal antibody

Catalog Number: **CL488-67652**

## Basic Information

**Catalog Number:**

CL488-67652

**Size:**

1000 µg/ml

**Source:**

Mouse

**Isotype:**

IgG2b

**Immunogen Catalog Number:**

AG28954

**GenBank Accession Number:**

BC058894

**GeneID (NCBI):**

83439

**UNIPROT ID:**

Q9HCS4

**Full Name:**

transcription factor 7-like 1 (T-cell specific, HMG-box)

**Calculated MW:**

63 kDa

**Observed MW:**

70 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

2B2D12

**Excitation/Emission maxima wavelengths:**

493 nm / 522 nm

## Applications

**Tested Applications:**

FC (Intra)

**Species Specificity:**

Human, Mouse

## Background Information

TCF7L1 is one of TCF/LEF transcription factors that are mediators of the Wnt signaling pathway and are antagonized by the TGF-beta signaling pathway. It binds to DNA and acts as a repressor in the absence of CTNNB1, and as an activator in its presence. It's necessary for the terminal differentiation of epidermal cells, the formation of keratohyalin granules and the development of the barrier function of the epidermis. This antibody raised against 1-200aa of human TCF7L1 can also react with TCF7L2.

## Storage

**Storage:**

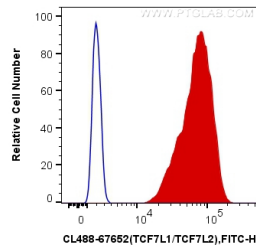
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



1X10<sup>6</sup> A431 cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human TCF7L1/TCF7L2 (CL488-67652, Clone:2B2D12) (red), or 0.4 ug Mouse IgG2b Isotype Control (CL488-66360-3, Clone: K11B8C4B5) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).