

CoraLite® Plus 488-conjugated TCF12 Monoclonal antibody

Catalog Number: **CL488-67523**

Basic Information

Catalog Number:

CL488-67523

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG6287

GenBank Accession Number:

BC050556

GeneID (NCBI):

6938

UNIPROT ID:

Q99081

Full Name:

transcription factor 12

Calculated MW:

73 kDa

Observed MW:

80 kDa

Purification Method:

Protein A purification

CloneNo.:

1B8D4

**Excitation/Emission maxima
wavelengths:**

493 nm / 522 nm

Applications

Tested Applications:

FC (Intra)

Species Specificity:

Human, mouse, rat

Background Information

The product of TCF12 gene (TCF12, also called HTF4 or HEB) is a member of helix-loop-helix (HLH) protein family [PMID:22130667]. TCF12 is a transcriptional regulator that involved in the initiation of neuronal differentiation. It's also known as E proteins, and activates transcription by binding to the E box (5'-CANNTG-3'), because of their direct DNA (E-box) binding ability [PMID: 19204326]. TCF12 was shown to suppress E-cadherin expression during the early stages of renal tubular epithelial cell dedifferentiation [PMID:17202424].

Storage

Storage:

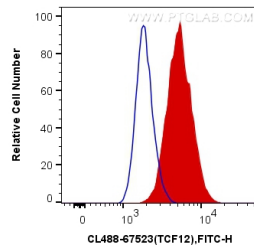
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

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



1X10⁶ HepG2 cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human TCF12 (CL488-67523, Clone:1B8D4) (red), or 0.4 ug Mouse IgG2a Isotype Control (CL488-66360-2, Clone: K11A1B2A2) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).