

# CoraLite® Plus 488-conjugated TAF12 Monoclonal antibody

Catalog Number: **CL488-67621**

## Basic Information

<b>Catalog Number:</b> CL488-67621	<b>GenBank Accession Number:</b> BC011986	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 6883	<b>CloneNo.:</b> 4E12D2
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q16514	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Isotype:</b> IgG1	<b>Full Name:</b> TAF12 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 20kDa	
<b>Immunogen Catalog Number:</b> AG16597	<b>Calculated MW:</b> 18 kDa	
	<b>Observed MW:</b> 21 kDa	

## Applications

**Tested Applications:**  
FC (Intra)

**Species Specificity:**  
Human

## Background Information

TAF12, also named TAF15 or TAF2J, is a TBP-associated factor that is contained in Pol I- and Pol II-specific TBP-TAF complexes, it is also a component of the transcription factor IID (TFIID) complex, which is essential for mediating regulation of RNA polymerase transcription. TAF12 plays a key role in regulating eukaryotic gene expression by directly binding promoters and enhancer-bound transactivator proteins. Likewise, TAF12 recruits Gadd45a and the nucleotide excision repair complex to the promoter of rRNA genes leading to active DNA demethylation

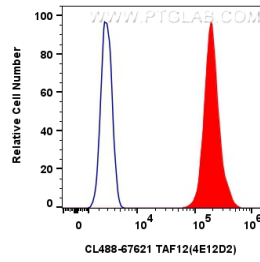
## Storage

**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



$1 \times 10^6$  HeLa cells were intracellularly stained with 0.8  $\mu$ g CoraLite® Plus 488 Anti-Human TAF12 (CL488-67621, Clone: 4E12D2) (red), or 0.8  $\mu$ g CoraLite® Plus 488 Mouse IgG1 Isotype Control (MOPC-21) (CL488-65124, Clone: MOPC-21) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).