# CoraLite® Plus 488-conjugated DDX1 Monoclonal antibody

**Catalog Number:** CL488-67991

## Basic Information

**Catalog Number:**
CL488-67991

**Size:**
100ul , Concentration: 1000 μg/ml by Nanodrop;

**Source:**
Mouse

**Isotype:**
IgG1

**Immunogen Catalog Number:**
AG16774

**GenBank Accession Number:**
BC012132

**GeneID (NCBI):**
1653

**Full Name:**
DEAD (Asp-Glu-Ala-Asp) box polypeptide 1

**Calculated MW:**
740 aa, 82 kDa

**Observed MW:**
82 kDa

**Purification Method:**
Protein G purification

**CloneNo.:**
1G10G4

**Excitation/Emission maxima wavelengths:**
488 nm / 515 nm

## Applications

**Tested Applications:**
FC (Intra)

**Species Specificity:**
Human, mouse, rat

## Background Information

DDX1 is a DEAD box protein, which is putative RNA helicases with a characteristic asp-glu-ala-asp (DEAD) box motif. DEAD box proteins involve in translation initiation, splicing, and ribosome and spliceosome assembly by altering RNA secondary structure. As a RNA helicase, DDX1 has a role in RNA clearance at DNA double-strand breaks (DSBs), thereby facilitating the template-guided repair of transcriptionally active regions of the genome.

## Storage

**Storage:**
Store at -20℃. Avoid exposure to light. Stable for one year after shipment.
**Storage Buffer:**
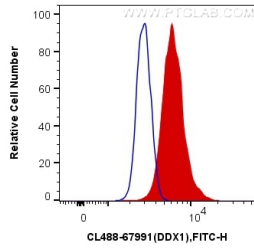PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

**\*\*\* 20ul sizes contain 0.1% BSA**

# Selected Validation Data



1X10^6 HeLa cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human DDX1 (CL488-67991, Clone:1G10G4) (red), or 0.4 ug x. Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set.