

# CoraLite® Plus 488-conjugated CDC6 Monoclonal antibody

Catalog Number: **CL488-66021**

## Basic Information

**Catalog Number:**

CL488-66021

**Size:**

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

**Source:**

Mouse

**Isotype:**

IgG1

**Immunogen Catalog Number:**

AG17958

**GenBank Accession Number:**

BC025232

**GeneID (NCBI):**

990

**UNIPROT ID:**

Q99741

**Full Name:**

cell division cycle 6 homolog (S. cerevisiae)

**Calculated MW:**

560 aa, 63 kDa

**Observed MW:**

65 kDa

**Purification Method:**

Protein G purification

**CloneNo.:**

6F12D2

**Excitation/Emission maxima wavelengths:**

493 nm / 522 nm

## Applications

**Tested Applications:****Species Specificity:**

human, mouse, rat

## Background Information

CDC6, also named as CDC18L and HsCDC18, belongs to the CDC6/cdc18 family. It is involved in the initiation of DNA replication and functions as a regulator at the early steps of DNA replication. It also participates in checkpoint controls that ensure DNA replication is completed before mitosis is initiated. It localizes in cell nucleus during cell cycle G1, but translocates to the cytoplasm at the start of S phase. The subcellular translocation of this protein during cell cycle is regulated through its phosphorylation by Cdk. Defects in CDC6 are the cause of Meier-Gorlin syndrome type 5 (MGORS5). MGORS5 is a syndrome characterized by bilateral microtia, aplasia/hypoplasia of the patellae, and severe intrauterine and postnatal growth retardation with short stature and poor weight gain. This antibody is a mouse monoclonal antibody raised against residues near the C terminus of human CDC6.

## 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

For technical support and original validation data for this product please contact:

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