

## Product datasheet

### CDC5 MOUSE MONOCLONAL ANTIBODY (11H12)

**SKU:** MM-0192-2-100

100 µg

#### OVERVIEW

**Clonality:**

Monoclonal

**Host:**

Mouse

**Reactivity:**

Yeast

**Application:**

WB

**Target:**

Cdc5

**Target background:**

Polo-like kinases (PLKs) are evolutionarily conserved kinases essential for cell division, proliferation, and development. These kinases are characterized by the presence of a C-terminal phosphor-peptide-interaction domain, the polo-box domain (PBD). Cdc5 (Msd2) is a cell cycle serine/threonine-protein kinase of *Saccharomyces cerevisiae* involved in mitotic exit. Recently, a novel function for Cdc5 as an important regulator of cellular ploidy has been reported.

**Target alias:**

Cell cycle serine/threonine-protein kinase CDC5/MSD2, MSD2, PKX2

**Immunogen:**

Full length protein

**Specificity:**

The antibody recognizes the full length protein Cdc5 (Msd2)

**Clone ID:**

11H12

**Isotype:**

IgG1

**Preservative:**

None

**Format:**

Lyophilized protein G purified in PBS pH7.4

**Recommend starting dilution:**

If reconstituted with deionized water in 100 µl: WB 1:250-1:500. Optimal dilution has to be determined by the user.

**Limitations:**

Research Use Only

**References:**

- 1.-Ratsima H - Independent modulation of the kinase and polo-box activities of Cdc5 protein unravels unique roles in the maintenance of genome stability.
- 2.-Mishra PK - Polo kinase Cdc5 associates with centromeres to facilitate the removal of centromeric cohesin during mitosis.
- 3.-US20140065650A1 - Method for the regulation of protein kinase activity in vivo and in vitro

**Storage:**

Lyophilized antibodies can be kept at 4°C for up to 3 months and should be kept at -20°C for long-term storage (2 years). To avoid freeze-thaw cycles, reconstituted antibodies should be aliquoted before freezing for long-term (1 year) storage (-80°C) or kept at 4°C for short-term usage (2 months). For maximum recovery of product, centrifuge the original vial prior to removing the cap. Further dilutions can be made with the assay buffer. After the maximum long-term storage period (2 years lyophilized or 1 year reconstituted) antibodies should be tested in your assay with a standard sample to verify if you have noticed any decrease in their efficacy.

Image:

