



Product Information Sheet

Monoclonal Anti-PSTAIR

Catalogue No. MA1087

Lot No. 08A12

Clone: IL-16

Ig type: mouse IgG1

Size: 100µg/vial

Specificity

Human, mouse.

No cross reactivity with other proteins.

Recommended application

Western blot

Immunogen

Synthetic 16 amino acid oligopeptide containing the PSTAIR sequence conjugated to BSA.

Purification

Purified by the goat anti-mouse IgG affinity chromatography.

Application

Western blot

At 0.25-0.5µg/ml with the appropriate system to detect PSTAIR in cells and tissues.

Other applications have not been tested.

Optimal dilutions should be determined by end user.

Formulation

Lyophilized from 1.2% sodium acetate, with 2mg BSA and 0.01mg NaN₃ as preservative.

Reconstitution

1.2% sodium acetate or neutral PBS. If 1ml of PBS is used, the antibody concentration will be 100µg/ml.

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for longer time.

To reorder contact us at:

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BACKGROUND

The cyclin-dependent protein kinases (CDKs) regulate major cell cycle transitions in eukaryotic cells. CDKs contain an evolutionary conserved 16 amino acid sequence called PSTAIR (EGVPSTAIRESLLKE) which distinguishes them from other protein kinases. The PSTAIRE motif found in prototypic CDC2 kinases. CDC2L1 is referred as PITSLRE B, based on the amino acid sequence of the region corresponding to the conserved CDC2 PSTAIRE box.

REFERENCE

1. Xiang, J.; Lahti, J. M.; Grenet, J.; Easton, J.; Kidd, V. J. : Molecular cloning and expression of alternatively spliced PITSLRE protein kinase isoforms. *J. Biol. Chem.* 269: 15786-15794, 1994.