



## Product Information Sheet

### Monoclonal Anti-PSTAIR (Sepharose Bead Conjugate)

**Catalogue No.** MA1087-S

**Lot No.** 08A12

**Clone:** IL-16

**Ig type:** mouse IgG21

**Size:** 200µl

**Specificity**

Human, mouse.

No cross reactivity with other proteins.

**Recommended application**

*Immunoprecipitation(IP)*

**Immunogen**

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

**Purification**

Purified by the goat anti-mouse IgG affinity chromatography.

**Formulation**

50% slurry in PBS pH 7.2 with 0.01mg NaN3a3 preservative.

**Storage**

Store at 4°C for frequent use.

**Description:**

This Antagene antibody is immobilized via covalent binding of primary amino groups to N-hydroxysuccinimide (NHS)-activated sepharose beads. It is useful for immunoprecipitation assays

**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.

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