



Product Information Sheet

Monoclonal Anti-PSTAIR- Magnetic Bead Conjugate

Catalogue No. MA1087-M

Lot No. 08A12

Clone: IL-16

Ig type: mouse IgG1

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

Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg NaN₃.

Storage

Store at 4°C for frequent use.

Description

This Antagene antibody is immobilized by the covalent reaction of hydrazinonicotinamide-modified antibody with formylbenzamide-modified beads. It is useful for immunoprecipitation.

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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