Product Information Sheet

Monoclonal Anti-Phosphoserine- Magnetic Bead Conjugate

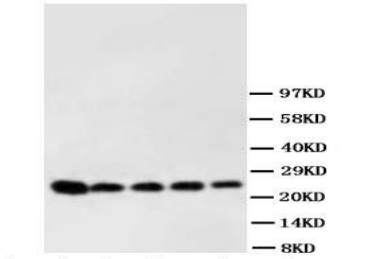
Catalogue No. MA1084-M

Lot No. 08A12

Clone: PS-53

Ig type: mouse IgG1

Size: 200µl



Lane 1 : Rat liver tissue Lysate
Lane 2 : Rat Ovarian tissue Lysate
Lane 3 : MM453 Whole Cell Lysate
Lane 4 : HeLa Whole Cell Lysate
Lane 5 : Colo320 Whole Cell Lysate

Specificity

Human, all kinds of animals

No cross reactivity with other proteins.

Immunogen

Phosphoserine conjugated to Keyhole Limpet Hemocyanin (KLH).

Purification

Purified by the goat anti-mouse IgG affinity chromatography.

Recommended application

Western blot

Storage

Store at 4˚C for frequent use.

Formulation

Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg NaN_3.

Description

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

BACKGROUND

Phosphoserine phosphatase fills an important role in the biosynthesis of serine from carbohydrates by catalyzing the last step, hydrolysis of O-phosphoserine. Phosphoserine phosphatase activity in lymphoblasts and fibroblasts was reduced to 25% of normal values. The human phosphoserine gene (PSP)is mapped to the pter-q22 region of chromosome 7.

REFERENCE

1. Koch, G. A.; Eddy, R. L.; Haley, L. L.; Byers, M. G.; McAvoy, M.; Shows, T. B. : Assignment of the human phosphoserine gene (PSP) to the pter-q22 region of chromosome 7. *Cytogenet. Cell Genet.* 35: 67-69, 1983.

2. Sparkes, R. S.; Mohandas, T.; Sparkes, M. C. : The human phosphoserine phosphatase gene (PSP) is mapped to chromosome 7 by somatic cell genetic analysis. *Cytogenet. Cell Genet.* 35: 70-71, 1983.

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