



## Mouse anti Phosphoserine Monoclonal Antibody

Alternative Name(s): pSER-Biotinylated

### Order Information

- **Description:** Phosphoserine(Biotinylated)
- **Catalogue:** 500-021
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Mouse
- **Clone:** 2A4
- **Application:** WB, IP, IHC(P)
- **Reactivity:** Hu, Ms, Rt

### **ANTIGEN PREPARATION**

A chemically linked phosphoserine.

### **BACKGROUND**

Protein phosphorylation is involved in cell signaling pathways. These cascades are mediated by two types of kinases: serine/threonine kinases which phosphorylate serine and threonine amino acid side chains and tyrosine kinases which phosphorylate tyrosine amino acid side chains. This process is regulated by kinases and phosphatases.

### **PURIFICATION**

The mouse IgG is purified by Protein A-Affinity Chromatography according to Isotyping

### **FORMULATION**

This affinity purified antibody is supplied in sterile Tris-buffered saline (pH7.2) containing antibody stabilizer

### **SPECIFICITY**

This antibody recognizes phospho-serine (phospho-Ser) only. It does not cross react with phospho-Tyrosine or phospho-Threonine

### **STORAGE**

The antibodies are stable for 24 months from date of receipt when stored at -20oC to -70oC. The antibodies can be stored at 2oC-8oC for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

### **APPLICATIONS/SUGGESTED WORKING DILUTIONS\***

- Western Blot: 0.1-1 µg/ml
- ELISA: 0.01-0.1 µg/ml
- Immunoprecipitation: 2-5 µg/ml
- IHC: 2-5 µg/ml
- Flow cytometry: Not tested
- Molecular Weight: nan
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

\*Optimal dilutions should be determined by researchers for the specific applications.

### **FOR RESEARCH USE ONLY.**

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## **DATA ATTACHMENTS**

## **REFERENCES**

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