

Product Information

PHOSPHOTHREONINE ANTIBODY INHIBITOR

Product Number **P 3842**

Product Description

Phosphothreonine Antibody Inhibitor, O-Phospho-L-Threonine conjugated to BSA, blocks specifically the reactivity of anti-phosphothreonine antibody, but not that of anti-phosphoserine- or anti-phosphotyrosine-specific antibodies.

Antibodies reacting specifically with phosphorylated amino acid (a.a.) residues are useful as analytical and preparative tools, serving in the identification, quantification, and immunoaffinity isolation of activated cellular proteins. Often it is desirable to verify the specificity of the antibodies for the particular phosphorylated a.a. residue. Unfortunately, the use of the appropriate phosphorylated a.a. to specifically block the reactivity of the antibodies, does not fulfill the requirement, due to the small size of the blocking a.a.. The availability of a preparation of O-Phospho-L-Threonine conjugated to BSA carrier should aid in this task.

Phosphothreonine Antibody Inhibitor may be used for the specific inhibition of the reactivity of anti-phosphothreonine antibodies using various immunochemical assays such as immunoblotting and ELISA.

Reagents

Supplied as a solution in 0.01 M phosphate buffered saline pH 7.4, with 15 mM sodium azide as a preservative.

Precautions and Disclaimer

Due to the sodium azide content a material safety sheet (MSDS) for this product has been sent to the attention of the safety officer of your institution. Consult the MSDS for information regarding hazardous and safe handling practices.

Storage/Stability

For continuous use, store at 2-8 °C for a maximum of one month. For extended storage freeze in working aliquots. Repeated freezing and thawing is not recommended. Storage in "frost-free" freezers is not recommended. If slight turbidity occurs upon prolonged storage, clarify the solution by centrifugation before use.

Product Profile

A working dilution of 10 µg/ml is determined by the specific inhibition of the reactivity of Monoclonal Anti-Phospho-threonine (Product No. P 3555), used in ELISA.

Notes

1. In order to obtain best results we recommend each user determine optimal working dilutions by titration test.
2. Decreasing or increasing the dilution of the reactive antibody will affect the amount of the inhibitor required to achieve the desired degree of blocking.
3. A "new" non-relevant band/s may appear as a result of the inhibition, in immunoblotting applications.

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