

Product Datasheet

phosphotyrosine antibody (orb345264)

Description

phosphotyrosine antibody

Species/Host

Mouse

Reactivity

Other

Conjugation

Unconjugated

Tested

ELISA, WB

Applications

Immunogen

This monoclonal antibody was produced after repeated immunizations of balb/c mice with phosphotyrosine conjugated KLH.

Preservatives

0.01% (w/v) Sodium Azide

Form/Appearance

Liquid (sterile filtered)

Storage

Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Note

For research use only

Application notes

This monoclonal antibody has been tested in ELISA and Western Blot and reacts specifically with phosphotyrosine and shows minimal reactivity by ELISA and competitive ELISA with phosphoserine or phosphothreonine. The antibody reacts with free phosphotyrosine, phosphotyrosine conjugated to carriers such as thyroglobulin or BSA, and detects the presence of phosphotyrosine in proteins of both unstimulated and stimulated cell lysates. Although not tested, this antibody is likely functional in RIA, flow cytometry, immunohistochemistry and immunoprecipitation. Phosphorylation of tyrosine residues is associated with many growth factors and oncogene protein kinases, and is important for cell signaling in activation, proliferation and differentiation.

Isotype

ASCITES

Clonality

Monoclonal

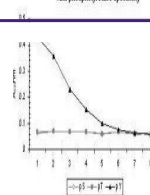
Purity

This product is clarified ascites produced in balb/c mice using clone 13F9. Reactivity is specific for phosphotyrosine and minimal cross reactivity is observed against phosphoserine or phosphothreonine.

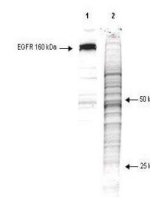
Dilution Range

ELISA: 1:4,000 - 1:20,000, WB: 1:500 - 1:2,000

Anti-phosphotyrosine Specificity



Line graph illustrates about the Ag-Ab r...



Western blot analysis of A431 cell lysat...