

Store at -20°C

#7989

PathScan® Sandwich ELISA Control Phospho Cell Extract II

1 vial
(12 assays)



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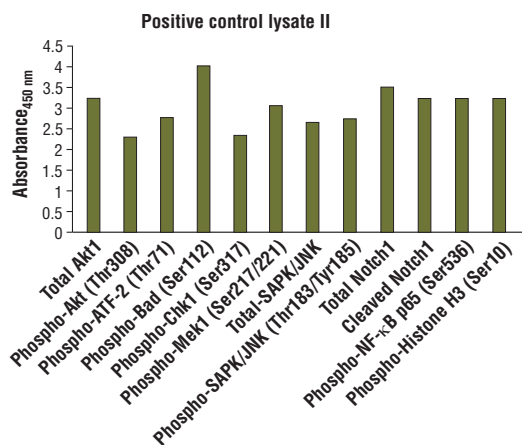
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Description: Jurkat cells are treated with 100 nM calyculin A and 1 mM pervanadate to inhibit multiple serine/threonine and tyrosine phosphatases, respectively and up-regulate protein phosphorylation. Treated Jurkat cells were lysed in 1X cell lysis buffer and lysates were lyophilized.

Background: PathScan® Sandwich ELISA is a convenient tool for the analysis of protein expression as well as post-translational modifications (such as phosphorylation and acetylation) allowing the researcher to study signal transduction. PathScan® Sandwich ELISA Control Phospho Cell Extracts II can be used not only to troubleshoot the experiment but also provides the means to standardize the signal allowing the comparison of results obtained from different plates or experiments.

Applications: The recommended final concentration for this positive control lysate is 0.5mg/mL. Reconstitute the lyophilized positive control with 225 µL dH₂O to create a 3.0mg/mL lysate solution. Dilute the sample with 1.0 mL 1X cell lysis buffer (#9803) or a sample diluent supplied with one of our PathScan® Sandwich ELISA kits. Keep on ice. 100 µL samples should be used in each well of a 96-well plate.

Storage: Supplied as lyophilized product. Keep at -20°C for short term storage or at -80°C for longer periods. Avoid repeated freeze-thaw cycles.



ELISA analysis of PathScan® Sandwich ELISA Control Phospho Cell Extracts II using multiple PathScan® Sandwich ELISA kits. Samples were prepared using the standard ELISA protocol (attached) to a final concentration of 1.0 mg/mL and assayed using the indicated ELISA kits.