

## Technical Data Sheet

## NIH 3T3+ Vanadate/PDGF Lysate

**Product Information**

<b>Material Number:</b>	612069
<b>Size:</b>	500 µg
<b>Storage Buffer:</b>	1 mg/ml in SDS-PAGE buffer (62mM Tris pH 6.8, 2% SDS, 0.9% b-mercaptoethanol, 0.003% bromophenol blue, 5% glycerol)

**Description**

Cell or tissue lysates are a useful control for the western blotting application. A source that can be rich in endogenously expressed proteins, this lysate is convenient to use and provided in a denatured format allowing for immediate loading onto an SDS-PAGE gel.

This lysate was routinely tested by western blot analysis. Other applications were tested at BD Biosciences Pharmingen during antibody development only or reported in the literature.

**Preparation and Storage**

Store undiluted at -20° C.

Do not dilute or boil.

NIH 3T3 cells were serum starved overnight and then incubated at room temperature for 10 minutes in a final concentration of 1 mM sodium vanadate. PDGF was then added at a final concentration of 5 ng/ml and cells were incubated at 37°C for 30 minutes. Western blots of NIH 3T3 cell lysates treated with vanadate and PDGF have been reported to show a shift in SHC mobility in addition to phosphorylation of PKB $\alpha$ /Akt and Stat3 as compared to untreated control cells.

**Application Notes****Application**

Western blot	Routinely Tested
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**Product Notices**

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. Please refer to [www.bdbiosciences.com/pharmingen/protocols](http://www.bdbiosciences.com/pharmingen/protocols) for technical protocols.

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