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THP-1 Cell Lysate

Catalog No: CL-66-1208

Size: 100 µg

Cell line: THP-1 (Human monocyte)

Source: Human (Infant 1 yr, Male), peripheral blood monocyte, acute monocytic leukemia

Growth media: RPMI & 10% FBS

Cell lysate preparation:

THP-1 cell lysate was prepared by homogenization in modified RIPA buffer (150 mM sodium chloride, 50 mM Tris-HCl, pH 7.4, 1 mM ethylenediaminetetraacetic acid, 1 mM phenylmethylsulfonyl fluoride, 1% Triton X-100, 1% sodium deoxycholic acid, 0.1% sodium dodecylsulfate, 5 µg/ml of aprotinin, 5 µg/ml of leupeptin). Cell debris was removed by centrifugation. Protein concentration was determined with Bio-Rad protein assay. The cell lysate was boiled for 5 min in 1 x SDS sample buffer (50 mM Tris-HCl pH 6.8, 12.5% glycerol, 1% sodium dodecylsulfate, 0.01% bromophenol blue) containing 5% β-mercaptoethanol.

Application:

THP-1 cell lysate is ready to load on SDS-PAGE for Western blotting, 20 µg per lane is recommended for mini gel.

Storage:

It is supplied as whole cell lysate at 100 µg at 2 mg/ml in 1 x SDS sample buffer containing 5% β-mercaptoethanol. Store at -20°C for three months or at -70°C for one year.

Usage:

This item is for LABORATORY RESEARCH USE ONLY.

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