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Human K562 Cell Lysate

Catalog No.	PX319A	**Quantity:**	100 µg

Description: K562 Human chronic myelogenous leukemia

Preparation: K562 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 K562 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.

Concentration: 2.0 mg/ml

Cell Line: K562 (Human Chronic Myelogenous Leukemia)

Source: Human (Female age 53) bone marrow, chronic myelogenous leukemia (CML)

Growth Media: RPMI with 10% NCS (newborn calf serum)

Formulation: Lysate is supplied in 1 x SDS sample buffer containing 5% beta-mercaptoethanol.

Product is stable for one year at -80°C.

Applications: **Centrifuge vial before use.** K562 cell lysate is ready to load on SDS-PAGE for Western blot, 10-20 µg/lane is recommended for mini gel. The optimal concentration should be determined by the user for each specific application.

Storage: Store at 2-8°C for continuous use. Store in working aliquots at -80°C for up to 1 year. **Avoid repeated freeze-thaw cycles.**

Certification: This material has been tested by accepted techniques and has been found to be negative for HBsAg, HIV 1/2, and HCV.

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