Jurkat Lysate

Catalog Number: ATGL0003

PRODUCT INFORMATION

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ATGL0003

PRODUCT SPECIFICATION

Concentration

2mg/ml (determined by BCA assay)

Formulation

Liquid in. SDS-PAGE Sample Buffer (0.12M Tris-HCl buffer pH6.8, 0.4% SDS, 5% glycerol, 1% beta-mercaptoethanol, 0.02% Bromophenol blue)

Storage

Aliquot the lysate into single tube and then storing them -80C or below. Avoid repeated freezing and thawing cycles.

Preparation before usage

Heat lysate to 95C for 5 minutes and rapidly cooling before use.

General description

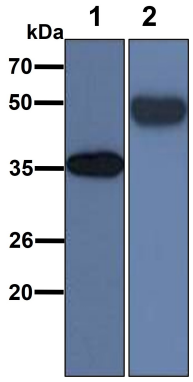
Jurkat cells are an immortalized line of human T lymphocyte cells take from the peripheral blood of a 14-year-old boy with T cell leukemia, in 1970s. Jurkat cells are used to study acute T cell leukemia, T cell signaling, and the expression of various chemokine receptors susceptible to viral entry, particularly HIV. Jurkat cells are also useful in science because of their ability to produce interleukin 2. Their primary use, however, is to determine the mechanism of differential susceptibility of cancers to drugs and radiation.

Quality Control

Western Blot analyzed by both GAPDH and Beta tubulin antibody

DATA

Western blot analysis (WB)



All lanes : Jurkat Whole Cell Lysate (40ug)

Lane 1. : Anti-GAPDH antibody (ATGA0181)
Lane 2. : Anti-Beta tubulin antibody (ATGA0196)