SZABO SCANDIC

Part of Europa Biosite

# Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!

## Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

## Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand


**SZABO-SCANDIC HandelsgmbH**

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

linkedin.com/company/szaboscandic

Order online now!

www.rockland.com
tech@rockland.com
+1 484.791.3823

Datasheet for W09-001-370

# Jurkat Whole Cell Lysate

## Overview

| | |
|---|---|
| **Description:** | Jurkat Whole Cell Lysate - W09-001-370 |
| **Item No.:** | W09-001-370 |
| **Size:** | 500 µg |
| **Applications:** | SDS-PAGE, WB |
| **Origin:** | Human |

## Product Details

| | |
|---|---|
| **Background:** | Ready-to-use whole cell lysates produced by Rockland Immunochemicals are derived from cell lines or tissues using highly refined extraction protocols to ensure exceptionally high quality, protein integrity and lot-to-lot reproducibility. All extracts are tested by SDS-PAGE using 4-20% gradient gels and immunoblot analysis using antibodies to key cell signaling components to confirm the presence of both high molecular weight and low molecular weight proteins. |
| **Synonyms:** | Jurkat Whole Cell Lysate, Jurkat WCL, Jurkat Lysate |
| **Species of Origin:** | Human |

## Target Details

| | |
|---|---|
| **Purity/Specificity:** | The cells were grown in RPMI medium supplemented with 10% fetal bovine serum. Cells were washed with PBS and then incubated on ice in modified RIPA buffer to lyse the cells. Protein integrity was ensured using a cocktail of protease inhibitors with broad specificity for the inhibition of aspartic, cysteine, and serine proteases as well as aminopeptidases (0.1 mM AEBSF HCl, 0.08 µM Aprotinin, 5 µM Bestatin, 1.5 µM E-64, 2 µM Leupeptin Hemisulfate, 1 µM Pepstatin A). Phosphatase inhibitors 1 mM NaF and 1 mM Na3VO4 were also added. Cell debris was removed by centrifugation. Protein concentration was determined by a modified Lowry assay using a commercially available kit. Protein concentration was adjusted to 2 mg/ml and then an equal volume of 2X SDS-PAGE sample buffer was added. |

## Application Details

| | |
|---|---|
| **Tested Applications:** | SDS-PAGE, WB |

| | |
|---|---|
| **Application Note:** | W09-001-370 has been tested by SDS-PAGE and western blot. Ready-to-use lysates are especially prepared as positive controls for separation by SDS-PAGE and subsequent western blot analysis. Lysates are prepared in denaturing buffer WITHOUT dissociating agents (i.e. no 2-mercaptoethanol or dithiothreitol has been added). Heat lysate to 95° C for 5 minutes and rapidly cool. If dissociating conditions are desired, add reducing agent prior to heating. The recommended loading volume per lane is 10-20 µl depending on the size format of your gel. |
| **Assay Dilutions:** | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below. |
| **WB:** | User Optimized |

## Cell Line Data

| | |
|---|---|
| **Cell Line:** | Human T Lymphocyte (Acute T Leukemia) |
| **Lysate Fractionation:** | Whole Cell Lysate |
| **Lysate Stimulation:** | Not Stimulated |
| **Culture Type:** | Tissue Culture |
| **Induction:** | None (Control) |

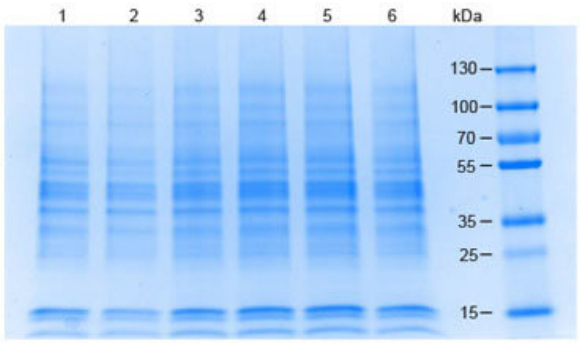
## Formulation

| | |
|---|---|
| **Physical State:** | Liquid (sterile filtered) |
| **Concentration:** | 1.0 mg/ml by BCA assay |
| **Buffer:** | 1X SDS-PAGE Sample Buffer (62.5 mM Tris HCl, 2% SDS, 10% Glycerol and 0.005% bromophenol blue, pH 6.8) |
| **Preservative:** | None |
| **Stabilizer:** | 10% (v/v) Glycerol |

## Shipping & Handling

| | |
|---|---|
| **Shipping Condition:** | Dry Ice |
| **Storage Condition:** | Store vial at -70° C or COLDER. For extended storage, aliquot contents to minimize freeze/thaw cycles. |
| **Expiration:** | Expiration date is three (3) months from date of receipt. |

## Images




**SDS-PAGE**
Coomassie stained SDS-PAGE of 20 µg of (1) Hela WCL, (2) Jurkat WCL, (3) HEK 293 WCL, (4) MCF-7 WCL, (5) A 549 WCL, (6) Raji WCL separated using a 4-20% gradient gel under reducing conditions. Molecular weight standards are shown.

## Disclaimer