

**Datasheet for W09-001-GK8****HL-60 Whole Cell Lysate****Overview**

<b>Description:</b>	HL-60 Whole Cell Lysate - W09-001-GK8
<b>Item No.:</b>	W09-001-GK8
<b>Size:</b>	500 µg
<b>Applications:</b>	SDS-PAGE
<b>Origin:</b>	Human

**Product Details**

<b>Background:</b>	Multi-purpose HL-60 Whole Cell Lysates produced by Rockland Immunochemicals are derived from cell lines 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.
<b>Synonyms:</b>	HL-60 Lysate, Cell Lysate, HL60 lysate
<b>Species of Origin:</b>	Human

**Target Details**

<b>Purity/Specificity:</b>	HL-60 cells were grown in Iscove's 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 4 mg/ml with 1X RIPA buffer.
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**Application Details**

<b>Tested Applications:</b>	SDS-PAGE
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**Application Note:** W09-001-GK8 has been tested by SDS-PAGE. Multi-purpose HL-60 Whole Cell Lysate are especially prepared as positive control for multiple assays including western blot, immunoprecipitation (IP), capture ELISA or other assays requiring native protein sample. For separation by SDS-PAGE and subsequent western blot analysis, lysates should be diluted by user to desired concentration in SDS-PAGE buffer with 2-mercaptoethanol or dithiothreitol as the reducing agent and heated to 95° C for 5 minutes. Sample is ready for use in immunoprecipitation and ELISA experiments, conditions should be optimized by the user. Rockland recommends its TrueBlot IP reagents for immunoprecipitation experiments.

**Assay Dilutions:** All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

**ChIP:** User Optimized

**IP:** User Optimized

**WB:** User Optimized

## Cell Line Data

**Cell Line:** Human - promyeloblast, acute promyelocytic leukemia

**Lysate Fractionation:** Whole Cell Lysate

**Lysate Stimulation:** Not Stimulated

**Culture Type:** Tissue Culture

**Induction:** None (Control)

## Formulation

**Physical State:** Liquid (sterile filtered)

**Concentration:** 4mg/mL by BCA assay

**Buffer:** 1X RIPA Buffer with HALT Protease and Phosphatase Inhibitors

**Preservative:** None

**Stabilizer:** None

## Shipping & Handling

**Shipping Condition:** Dry Ice

**Storage Condition:** Store vial at -70° C or COLDER. For extended storage, aliquot lysate to minimize freeze/thaw cycles.

**Expiration:** Expiration date is three (3) months from date of receipt.

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## Disclaimer

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