

## Product datasheet

# Jurkat nuclear extract lysate (TPA + CI stimulated) ab14850

### Overview

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<b>Product name</b>	Jurkat nuclear extract lysate (TPA + CI stimulated)
<b>Description</b>	Jurkat nuclear extract lysate
<b>General notes</b>	<p>Cell line: Jurkat (Human T cell lymphoblast-like).</p> <p>Extracts have been quality control tested by Western blot and the Electrophoretic Mobility Shift Assay (EMSA).</p> <p>Cells were cultured in medium supplemented with 50 ng/mL TPA (phorbol, 12-myristate, 13 acetate) and 0.5 <math>\mu</math>M calcium ionophore A23187 (CI) for two hours at 37°C immediately prior to harvesting.</p>

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Aliquot and store at -80°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	<p>Preservative: None</p> <p>Constituents: 20% Glycerol, 20mM HEPES, 100mM Potassium Chloride, 1mM Magnesium Chloride, 0.5mM PMSF, 0.5mM DTT. pH 7.9</p>
<b>Background</b>	<p>Often this cell line is called 'JM' (Jurkat and JM are derived from the same patient and are sister clones), occasionally JM may be a subclone with somewhat divergent features. Jurkat cells can be transfected and are therefore useful for studies of blood proto-oncogenes expression, apoptosis and cell survival (e.g HIV). They produce IL-2 and can also be used for studies of differentiation.</p>

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