

## Product datasheet

# Jurkat whole cell lysate ab7899

### 1 References

#### Overview

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<b>Product name</b>	Jurkat whole cell lysate
<b>General notes</b>	<p>Cell line: Jurkat, clone E6-1 (Human acute T cell leukemia).</p> <p>Growth media: RPMI and 10% NCS (Newborn calf serum).</p> <p>Jurkat cell lysate was prepared by homogenization in modified RIPA buffer (150 mM sodiumchloride, 50 mM Tris-HCl, pH 7.4, 1 mM ethylenediaminetetraacetic acid, 1 mM phenylmethylsulfonyl flouride, 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 cell lysate was boiled for 5 min in 1 x SDS sample buffer (0.045 M Tris-HCl pH 6.8, 10% glycerol, 1% sodium dodecylsulfate, 0.01% bromophenol blue), containing 0.05 M DTT.</p>
<b>Tested applications</b>	<b>Suitable for:</b> WB

#### Properties

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<b>Mycoplasma free</b>	Yes
<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	<p>pH: 7.20</p> <p>Constituent: 100% SDS Sample Buffer</p>
<b>Lysate notes</b>	<p>Jurkat cell lysate was prepared by homogenization in modified RIPA buffer (150 mM sodiumchloride, 50 mM Tris-HCl, pH 7.4, 1 mM ethylenediaminetetraacetic acid, 1 mM phenylmethylsulfonyl flouride, 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 cell 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% b-mercaptoethanol.</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>

## Applications

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**The Abpromise guarantee** Our [Abpromise guarantee](#) covers the use of ab7899 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use at an assay dependent dilution. Jurkat cell lysate is <b>ready to load</b> on SDS-PAGE for Western blotting, 20 µg per lane is recommended for mini gel.

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