

## Product datasheet

# HeLa (Human epithelial carcinoma cell line) Whole Cell Lysate ab7898

### Overview

<b>Product name</b>	HeLa (Human epithelial carcinoma cell line) Whole Cell Lysate
<b>General notes</b>	Cell line: HeLa-S3 (Human cervix epithelioid carcinoma) Growth media: Jokliks-MEM and 5% NCS (Newborn calf serum).  HeLa cell lysate was prepared by homogenization in modified RIPA buffer (150 mM sodiumchloride, 50 mM Tris-HCl, pH 7.4, 1 mM ethylenediamine tetraacetic 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.
<b>Tested applications</b>	<b>Suitable for:</b> WB

### Properties

<b>Mycoplasma free</b>	Yes
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	Whole lysate in 1 X SDS 5% b-mercaptoethanol
<b>Purity</b>	Whole Cell Lysate
<b>Lysate notes</b>	HeLa cell lysate was prepared by homogenization in modified RIPA buffer (150 mM sodiumchloride, 50 mM Tris-HCl, pH 7.4, 1 mM ethylenediamine tetraacetic 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.
<b>Background</b>	HeLa cells are human epithelial cells from a fatal cervical carcinoma. The cell line was derived from cervical cancer cells taken from Henrietta Lacks, in 1951. Horizontal gene transfer from human papillomavirus 18 (HPV18) to human cervical cells created the HeLa genome which is different from either parent genome in various ways including its number of chromosomes. HeLa cells have a modal chromosome number of 82, with 4 copies of chromosome 12 and 3 copies of

chromosomes 6, 8, and 17. HeLa cells are adherent cells (they stick to surfaces) and maintain contact inhibition in vitro.

## Applications

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### The Abpromise guarantee

Our [Abpromise guarantee](#) covers the use of ab7898 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 concentration.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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