

Product datasheet

THP-1 whole cell lysate ab7913

1 References

Overview

Product name	THP-1 whole cell lysate
General notes	<p>Cell line: THP-1 (Human acute monocytic leukemia).</p> <p>Growth media: RPMI and 10% FBS.</p> <p>THP-1 cell lysate was prepared by homogenization in modified RIPA buffer (150 mM sodium chloride, 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 minutes in 1 x SDS sample buffer (50 mM Tris-HCl pH 6.8, 12.5% glycerol, 1% sodium dodecylsulfate, 0.01% bromophenol blue) containing 0.77% DTT.</p> <p>Abcam has not and does not intend to apply for the REACH Authorisation of customers' uses of products that contain European Authorisation list (Annex XIV) substances. It is the responsibility of our customers to check the necessity of application of REACH Authorisation, and any other relevant authorisations, for their intended uses.</p>
Tested applications	Suitable for: WB

Properties

Mycoplasma free	Yes
Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle.
Storage buffer	<p>pH: 7.20</p> <p>Constituents: 0.1% Sodium lauryl sulfate, 0.02% Ethylenediaminetetraacetic acid, disodium, dihydrate, 0.01% Aprotinin, 0.01% Leupeptin, 0.1% Triton X-100, 0.1% PMSF, 0.5% Tris(2,2'-bipyridyl)ruthenium(II) Chloride Hexahydrate, 0.2% 1-(4-Chloro-2,5-dimethoxyphenyl)-2-aminopropaneHCL , 8.96% Water</p>
Lysate notes	<p>THP-1 cell lysate was prepared by homogenization in modified RIPA buffer (150 mM sodium chloride, 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 minutes in 1 x SDS sample buffer (50 mM Tris-HCl pH 6.8, 12.5% glycerol, 1%</p>

sodium dodecylsulfate, 0.01% bromophenol blue) containing 0.77% DTT.

Background

Properties: differentiation; lysozyme synthesis; phagocytosis; Fc receptor; IL-1 prod.; C3b receptor. The cell line can differentiate into macrophage-like cells (phagocytic) and can be used for induction of differentiation studies. When stimulated with PMA cells have been reported to differentiate into a monocytic pathway and release arachidonic acid and prostanoids.

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab7913 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. THP-1 cell lysate is ready to load on SDS-PAGE for Western blotting, 20 µg per lane is recommended for mini gel.

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