

Product datasheet

MCF7 nuclear extract lysate (H₂O₂ treated) ab14862

[1 Image](#)

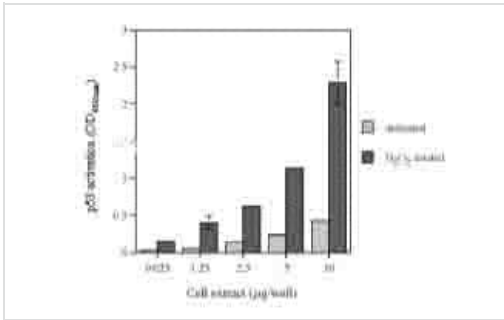
Overview

| | |
|----------------------|--|
| Product name | MCF7 nuclear extract lysate (H ₂ O ₂ treated) |
| Description | MCF7 nuclear extract lysate |
| General notes | The MCF-7 nuclear extracts have been collected in Lysis Buffer after 3 hrs incubation with or without 0.2 mM hydrogen peroxide. The protein content has been determined by a Bradford-based assay. |

Properties

| | |
|-----------------------------|---|
| Mycoplasma free | Yes |
| Form | Liquid |
| Storage instructions | Aliquot and store at -80°C. Avoid repeated freeze / thaw cycles. |
| Storage buffer | pH: 7.50 Constituents: 0.75% Potassium chloride, 0.009% PMSF, 0.01% Magnesium chloride, 0.008% DTT, 0.48% HEPES, 20% Glycerol |
| Background | MCF-7 cells are a well-characterized estrogen receptor (ER) positive control cell line (cells are positive for cytoplasmic estrogen receptors) and therefore are a useful in vitro model of breast cancer to study the role of estrogen in breast cancer. Cells are also positive for cytokeratin and negative for desmin , endothelin , GFAP, neurofilament, vimentin. |

Images



Functional Studies - MCF7 nuclear extract lysate
(H₂O₂ treated) (ab14862)

Each lot has been tested for p53 activation by using TransAM™ p53 Kit. The signal intensity for p53 activation in each lot is compared to the signal intensity obtained with extracts from untreated cells. Once the signals are blanked, the ratio between the signals from extracts of treated cells over untreated cells used at 5 µg/well is above 4. This ratio may vary depending on the basal level of p53 activation in a given cell type.

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