

Human Apoptosis Antibody Array - Membrane (43 Targets) ab134001

[46 References](#) [1 Image](#)

Overview

Product name	Human Apoptosis Antibody Array - Membrane (43 Targets)
Sample type	Tissue Extracts, Cell Lysate
Assay type	Semi-quantitative
Species reactivity	Reacts with: Human
Product overview	ab134001 is for simultaneous detection of 43 Human Apoptotic markers. Suitable for cell and tissue lysates.

Targets: Bad, Bax, Bcl-2, Bcl-w, BID, BIM, Caspase3, caspase8, CD40, CD40L, cIAP-2, cytoC, DR6, Fas, FasL, HSP27, HSP60, HSP70, HTRA, IGF-I, IGF-II, IGFBP-1, IGFBP-2, IGFBP-3, IGFBP-4, IGFBP-5, IGFBP-6, IGF-1sR, livin, p21, p27, p53, SMAC, Survivin, sTNF-R1, sTNF-R2, TNF-alpha, TNF-beta, TRAILR-1, TRAILR-2, TRAILR-3, TRAILR-4, XIAP

Caspase 3-will detect only the active form

Caspase 8-will detect the full length pro-form and the active form.

Antibody arrays are an antibody-pair-based assay, analogous to ELISA, but using a membrane as a substrate rather than a plate. Capture antibodies are supplied arrayed/spotted on a membrane with each pair of spots representing a different analyte. Sample is added (0.2-1ml of 1 sample to each membrane), and then paired biotinylated detector antibodies and streptavidin HRP. The cytokine array is analyzed using the same methods as a chemiluminescent western blot. Comparison between samples can be by eye or using densitometry software for a semi-quantitative comparison.

[Learn more about membrane antibody arrays](#)

Notes

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.

Tested applications **Suitable for:** Multiplex Protein Detection

Properties

Storage instructions

Store at -20°C. Please refer to protocols.

Components	1 x 4 Membranes	1 x 8 Membranes	1 x 2 Membranes
1,000X HRP-Conjugated Streptavidin	1 x 50µl	1 x 50µl	1 x 50µl
1X Blocking Buffer	1 x 25ml	2 x 25ml	1 x 25ml
20X Wash Buffer I	1 x 10ml	1 x 20ml	1 x 10ml
20X Wash Buffer II	1 x 10ml	1 x 20ml	1 x 10ml
2X Cell Lysis Buffer	1 x 10ml	1 x 16ml	1 x 10ml
8-Well Incubation Tray (with Lid)	1 unit	1 unit	1 unit
Apoptosis Antibody Array Membranes	4 units	8 units	2 units
Biotin-Conjugated Anti-Cytokines	2 vials	4 vials	1 vial
Detection Buffer C	1 x 1.5ml	1 x 2.5ml	1 x 1.5ml
Detection Buffer D	1 x 1.5ml	1 x 2.5ml	1 x 1.5ml
Protease Inhibitor Cocktail	1 vial	2 vials	1 vial

Applications

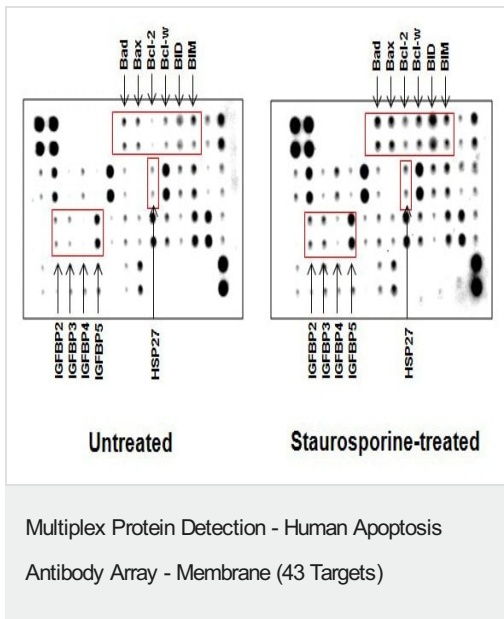
The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab134001 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
Multiplex Protein Detection		Use at an assay dependent concentration.

Images



Apoptotic protein profiling in Staurosporine-treated and untreated Jurkat cell lines

10^7 Jurkat cells were untreated or treated with staurosporine (0.5 μ M) for 3 hours. Equal total lysate protein was loaded on each Abcam Apoptosis Antibody Array membrane. Antibody spots exhibiting signal differences are indicated in red boxes.

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