

Product datasheet

Human Chemokine Antibody Array - Membrane (38 targets) ab169812

2 References 1 Image

Overview

Product name	Human Chemokine Antibody Array - Membrane (38 targets)
Sample type	Cell culture supernatant, Saliva, Milk, Urine, Serum, Plasma, Cell culture extracts, Other biological fluids, Whole Blood, Tissue Extracts, Cell Lysate, Cell culture media
Assay type	Semi-quantitative
Species reactivity	Reacts with: Human
Product overview	ab169812 is for the simultaneous detection 38 Human Chemokine Factors. Suitable for all liquid sample types.

Targets: BLC / CXCL13, CCL28, Ck beta 8-1 / CCL23, CTACK, CXCL16, ENA-78 / CXCL5, Eotaxin-1 / CCL11, Eotaxin-2 / CCL24, Eotaxin-3 / CCL26, Fractalkine / CX3CL1, GCP-2 / CXCL6, GRO / CXCL1+2+3, GRO alpha / CXCL1, HCC-4 / CCL16, I-309 / CCL1, I-TAC / CXCL11, IL-8 / CXCL8, IP-10 / CXCL10, Lymphotactin / XCL1, MCP-1 / CCL2, MCP-2 / CCL8, MCP-3 / CCL7, MCP-4 / CCL13, MDC / CCL22, MIG / CXCL9, MIP-1 alpha / CCL3, MIP-1 beta / CCL4, MIP-1 delta / CCL15, MIP-3 alpha / CCL20, MIP-3 beta / CCL19, MPIF-1 / CCL23, NAP-2 / CXCL7 / PPBP, PARC / CCL18, RANTES / CCL5, SDF-1 alpha / CXCL12alpha, SDF-1 beta / CXCL12beta, TARC / CCL17, TECK / CCL25

Cytokine 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 If you are interested in this cytokine array, array [ab133998](#) may also be of interest.

A table listing all of our human membrane antibody cytokine arrays and other arrays and the analytes they measure is available [here](#).

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
1,000X HRP-Conjugated Streptavidin	1 x 50µl	1 x 50µl
1X Blocking Buffer	1 x 25ml	2 x 25ml
2000X Biotin-Conjugated Anti Cytokines	2 vials	4 vials
20X Wash Buffer I	1 x 10ml	1 x 20ml
20X Wash Buffer II	1 x 10ml	1 x 20ml
2X Cell Lysis Buffer	1 x 10ml	1 x 16ml
8-Well Incubation Tray (with Lid)	1 unit	1 unit
Chemokine Antibody Array Membranes	4 units	8 units
Detection Buffer C	1 x 1.5ml	1 x 2.5ml
Detection Buffer D	1 x 1.5ml	1 x 2.5ml

Applications

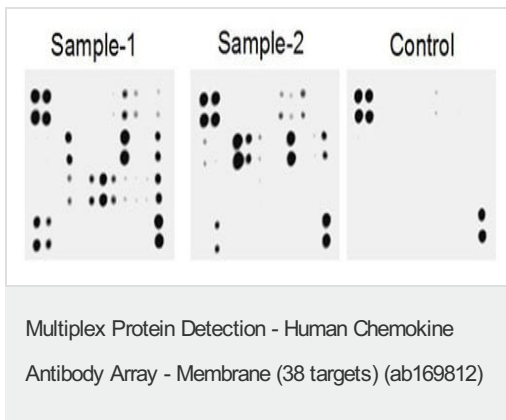
The Abpromise guarantee

Our [Abpromise guarantee](#) covers the use of ab169812 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



Typical images obtained with Abcam Human Cytokine Antibody Array. These membranes were probed with conditioned media from two different cell lines. Membranes were exposed to film at room temperature for 1 minute.

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