abcam

Product datasheet

Cytokine Array - Human Cytokine Antibody Array (Membrane, 42 Targets) ab133997

24 References 画像数 5

製品の概要

製品名	Cytokine Array - Human Cytokine Antibody Array (Membrane, 42 Targets)
サンプルの種類	Cell culture supernatant, Saliva, Milk, Urine, Serum, Plasma, Cell culture extracts, Other biological fluids, Whole Blood, Tissue Extracts, Cell Lysate, Cell culture media
アッセイタイプ	Semi-quantitative
種交差性	**交差種:** Human
製品の概要	ab133997 is a cytokine array to be used for the simultaneous detection of 42 Human cytokines. It is suitable for all sample types. **Targets:** ENA-78, GCSF, GM-CSF, GRO, GRO-alpha, I-309, IL-1alpha, IL-1beta, IL-2, IL-3, IL-4, IL-5, IL-6, IL-7, IL-8, IL-10, IL-12 p40/p70, IL-13, IL-15, IFN-gamma, MCP-1, MCP-2, MCP-3, MCSF, MDC, MIG, MIP-1delta, RANTES, SCF, SDF-1, TARC, TGF-beta1, TNF-alpha, TNF-beta, EGF, IGF-I, Angiogenin, Oncostatin M, Thrombopoietin, VEGF-A, PDGF BB, Leptin 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 cytokine arrays and other membrane antibody arrays**
特記事項	If you are interested in this cytokine array, **cytokine array ab133998**, **ab133996**, **ab169817**, **ab134003**, **ab134000**, **ab169804** and **ab169805** 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.

アプリケーション **適用あり:** Multiplex Protein Detection

製品の特性

保存方法 Store at -20°C. Please refer to protocols.

内容	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
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
Biotin-Conjugated Anti-Cytokines	2 vials	4 vials
Cytokine 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

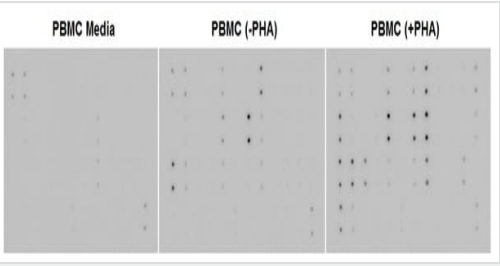
アプリケーション

The Abpromise guarantee **Abpromise保証は、** 次のテスト済みアプリケーションにおけるab133997の使用に適用されます

アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
Multiplex Protein Detection		Use at an assay dependent concentration.

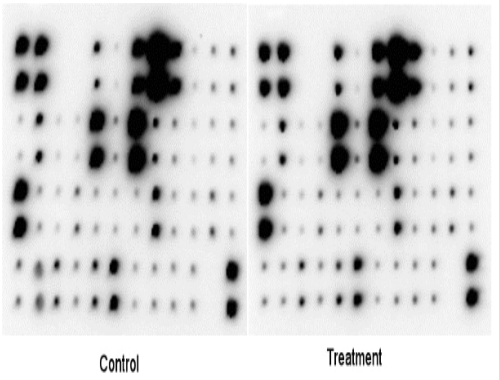
画像



Multiplex Protein Detection - Human Cytokine Array - Membrane Antibody Array

Human peripheral blood cells (1x10^6 cells/mL) were cultured in RPMI media supplemented with 10% fetal calf serum, 100 U/mL penicillin, and 100 mg/mL streptomycin sulfate.

Cells were cultured unstimulated or stimulated with 10 µg/mL PHA. Conditioned media was harvested after 48 hours, aliquoted and assayed using ab133997. Media alone was used as a negative control.



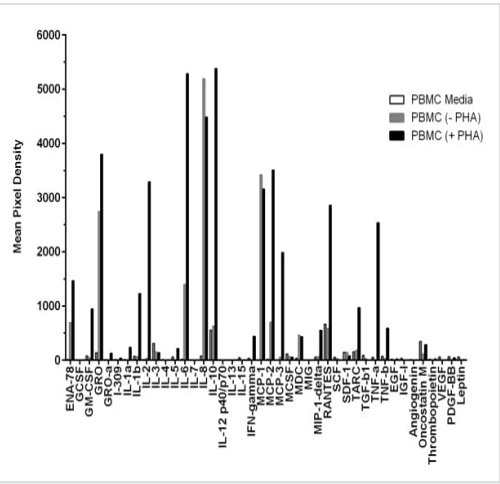
Cytokine array testing image - Abreview

This image is courtesy of an anonymous Abreview.

The antibody array was used to determine the change in expression of cytokines related to cell proliferation.

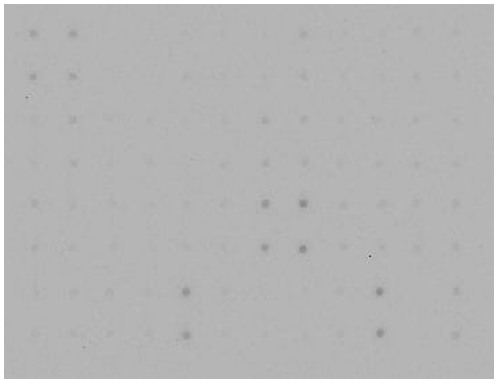
One million Human breast cancer cells (MCF7) were cultured in a 10mm dish for 48 hours (in 8ml of RPMI-1640 medium) and were then treated with 5 mM Compound X (not disclosed) for 48 hours. The Abcam protocol was followed for the rest of the procedure. 1 mL of supernatant of culture medium was used for sample incubation (4°C overnight).

Rating: 4.5/5



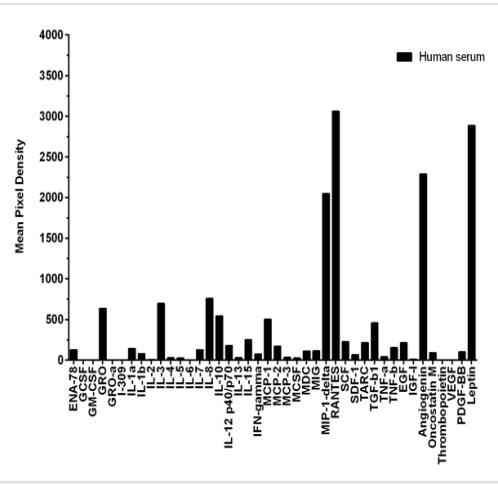
Quantification of Human Cytokine Array (membrane antibody array)

Cells were cultured unstimulated or stimulated with 10 µg/mL PHA. Conditioned media was harvested after 48 hours, aliquoted and assayed using ab133997. Media alone was used as a negative control. Mean pixel density was quantified using CCD camera software analysis.



Multiplex Protein Detection - Human Cytokine Array - (membrane antibody array) (ab133997)

Human serum from a pooled donor (n=50) sample was diluted to 50% and assayed using ab133997.



Quantification of Human Cytokine Array (membrane antibody array)

Human serum from a pooled donor (n=50) sample was diluted to 50% and assayed using ab133997. Mean pixel density was quantified using CCD camera software analysis.

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