# abcam

## Product datasheet

# Human Obesity Antibody Array - Membrane (62 targets) ab169819

4 References 2 Images

Overview

Product name Human Obesity Antibody Array - Membrane (62 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 Abcam's Human Obesity Antibody Array - Membrane (62 targets) detects 62 Human Adipokines

in 4 or 8 samples. Suitable for all liquid sample types.

Targets:4-1BB, ACE-2, Adiponectin, Adipsin, AgRP, Angiopoietin 1, Angiopoietin 2, ANGPTL4, CRP, ENA-78, Fas, FGF-6, Growth Hormone, HCC-4, IFN-gamma, IGFBP-1, IGFBP-2, IGFBP-3, IGF-1, IGF-1 sR, IL-1 R4, IL-1 sRI, IL-10, IL-11, IL-12, IL-1 alpha, IL-1 beta, IL-6, IL-6 sR, IL-8, Insulin, IP-10, Leptin R, Leptin, LIF, Lymphotactin, MCP-1, MCP-3, M-CSF, MIF, MIP-1 beta, MSP-alpha, Osteoprotegerin, OSM, PAH, PARC, PDGF-AA, PDGF-AB, PDGF-BB, RANTES, Resistin, Serum Amyloid A, SDF-1, sTNFRII, sTNFRII, TECK, TGF beta 1, TIMP-1, TIMP-2, TNF

alpha, VEGF-A, XEDAR

Learn more about membrane antibody arrays

Notes If you are interested in this cytokine array, arrays ab133998 and ab134000 may also be of

interest. A list of human antibody membrane arrays 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.

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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 Adipokines	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
Detection Buffer C	1 x 1.5ml	1 x 2.5ml
Detection Buffer D	1 x 1.5ml	1 x 2.5ml
Obesity Antibody Array Membranes	4 units	8 units

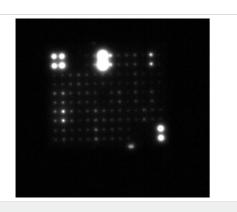
#### **Applications**

The Abpromise guarantee Our <u>Abpromise guarantee</u> covers the use of ab169819 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**



Muliplex Protein Detection - Human Obesity

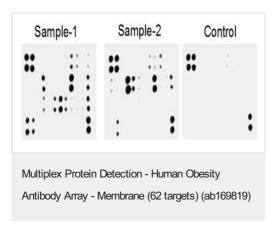
Antibody Array - Membrane (62 targets) (ab169819)

This image is courtesy of an anonymous Abreview

5 mg of lyophilized microdissected skeletal muscle (vastus laterals) was homogenized in 180 uL 1X cell lysis buffer (included in kit). After a 10,000 x g 5 min spin at 4°C removed the supernatant was removed and the total protein determined. 250 μg of total protein was added to each membrane with overnight incubations for each incubation step. The attached image is the first blot setting up the method and was exposed using a FluorChem M for 27 seconds. As can be seen Acrp30 will require less protein/less exposure but otherwise all but seven cytokines were visualized following this protocol.

Abreview rating 5/5 stars. Review from Abcam user community.

Verified customer at Baltimore VA Medical Center. Submitted Oct 9 2014.



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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