

Product datasheet

Human Dry Eye Disease Antibody Array (40 Targets)- Quantitative ab197444

3 Images

Overview

Product name	Human Dry Eye Disease Antibody Array (40 Targets)- Quantitative
Sample type	Serum, Plasma, Other biological fluids, Cell Lysate, Cell culture media, Tissue Lysate
Assay type	Quantitative
Assay time	6h 00m
Species reactivity	Reacts with: Human
Product overview	<p>ab197444 can be used for quantitative measurement of 40 Human Dry Eye Disease associated cytokines. Suitable for serum, plasma, cell culture media, other body fluids, cell and tissue lysates.</p> <p>Targets names: EGF, EGF R, Eotaxin, G-CSF, GRO, HB-EGF, ICAM-1, IFNγ, IL-1α, IL-1β, IL-1ra, IL-2, IL-4, IL-5, IL-6, IL-6R, IL-7, IL-8, IL-10, IL-11, IL-12p40, IL-12p70, IL-13, IL-15, IL-16, IL-17, IP-10, Lipocalin-2, MCP-1, MIG, MIP-1α, MIP-1β, MIP-1δ, MMP-9, RANTES, TGFβ1, TIMP-1, TIMP-2, TNFα, VEGF.</p>

[Learn more about quantitative antibody arrays](#)

Notes

Quantitative antibody arrays can be used to quantitate up to 40 cytokines with as little as 50 μ L of sample. Arrays are available for 400 human and 200 mouse proteins.

Each glass slide is spotted with 16 identical antibody arrays and is provided with a 16 well gasket to allow separate samples to be applied to each array. Each antibody is spotted in quadruplicate in each array. For reproducible quantitation, eight of the arrays are used with a cocktail of protein standards to produce a standard curve. The same 8 standard curve arrays can be used across multiple slides, allowing measurement of 22 experimental samples with 2 slides, 36 with 3 slides etc.

For high through-put, 4 slides can be nested into a tray matching a standard microplate, allowing automated processing with a liquid handling workstation.

Array processing can be completed within one working day (see workflow diagram below) and arrays can be analyzed with a wide number of laser glass slide array / gene microarray scanners. If you don't have a suitable scanner then we recommend our membrane antibody arrays, which can be analyzed with any WB chemiluminescent reader.

[Learn more about quantitative antibody arrays](#)

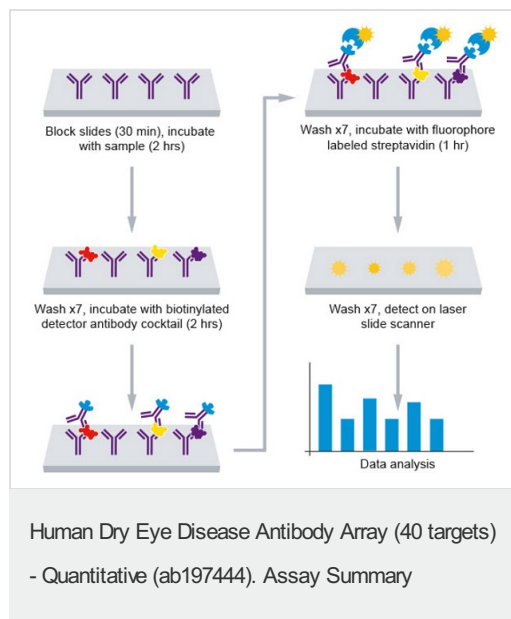
[Learn more about membrane antibody arrays](#)

Properties

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

Components	8 tests	22 tests	50 tests
20X Wash Buffer I	2 x 30ml	3 x 30ml	6 x 30ml
20X Wash Buffer II	1 x 30ml	1 x 30ml	2 x 30ml
Cy3 equivalent dye-conjugated Streptavidin	1 x 5µl	2 x 5µl	4 x 5µl
Human Dry Eye Disease Array (40 T) Biotinylated Antibody Cocktail	1 unit	2 units	4 units
Human Dry Eye Disease Array (40 T) Glass Slide	1 slide	2 slides	4 slides
Human Dry Eye Disease Array (40 T) Lyophilized Cytokine Standard Mix	1 vial	2 vials	2 vials
Sample Diluent	1 x 15ml	1 x 15ml	2 x 15ml
Slide Washer/Dryer (30 mL Centrifuge Tube)	1 unit	1 unit	2 units

Images

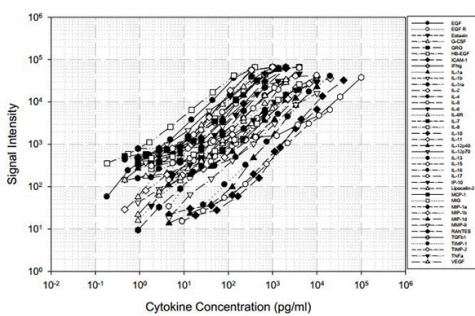


Assay summary for Abcam Human Dry Eye Disease Antibody Array (40 targets) - Quantitative (ab197444).

POS1	POS2	EGF
EGF R	Eotaxin	G-CSF
GRO	HB-EGF	ICAM-1
IFN γ	IL-1 α	IL-1 β
IL-1ra	IL-2	IL-4
IL-5	IL-6	IL-6R
IL-7	IL-8	IL-10
IL-11	IL-12p40	IL-12p70
IL-13	IL-15	IL-16
IL-17	IP-10	Lipocalin-2
MCP-1	MIG	MIP-1 α
MIP-1 β	MIP-1 δ	MMP-9
RANTES	TGF β 1	TIMP-1
TIMP-2	TNF α	VEGF

Array Map Abcam Human Dry Eye Disease Antibody Array (40 targets) - Quantitative (ab197444).

Array Map Abcam Human Dry Eye Disease Antibody Array (40 targets) - Quantitative (ab197444).



Standard Curve obtained using Human Dry Eye Disease Antibody Array (40 targets) - Quantitative (ab197444).

Human Dry Eye Disease Antibody Array (40 targets) - Quantitative (ab197444) Standard Curve

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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