

# Human Inflammation Antibody Array (40 Targets) - Quantitative ab197451

[1 References](#) [3 Images](#)

### Overview

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<b>Product name</b>	Human Inflammation Antibody Array (40 Targets) - Quantitative
<b>Sample type</b>	Serum, Plasma, Other biological fluids, Cell Lysate, Cell culture media, Tissue Lysate
<b>Assay type</b>	Quantitative
<b>Assay time</b>	6h 00m
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Product overview</b>	<p>ab197451 can be used for quantitative measurement of 40 Human Inflammatory Factors. Suitable for serum, plasma, cell culture media, other body fluid, cell and tissue lysates.</p> <p>Targets names: BLC, Eotaxin, Eotaxin-2, G-CSF, GM-CSF, I-309, ICAM-1, IFN<math>\gamma</math>, IL-1<math>\alpha</math>, IL-1<math>\beta</math>, IL-1ra, IL-2, IL-4, IL-5, IL-6, IL-6 sR, IL-7, IL-8, IL-10, IL-11, IL-12p40, IL-12p70, IL-13, IL-15, IL-16, IL-17, MCP-1, M-CSF, MIG, MIP-1<math>\alpha</math>, MIP-1<math>\beta</math>, MIP-1<math>\delta</math>, PDGF-BB, RANTES, TIMP-1, TIMP-2, TNF<math>\alpha</math>, TNF<math>\beta</math>, TNF sRI, TNF sRII.</p> <p><b><u><a href="#">Learn more about quantitative antibody arrays</a></u></b></p>

**Notes** Quantitative antibody arrays can be used to quantitate up to 40 cytokines with as little as 50  $\mu$ 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.

The standard is affinity purified.

[Learn more about quantitative antibody arrays](#)

[Learn more about membrane antibody arrays](#)

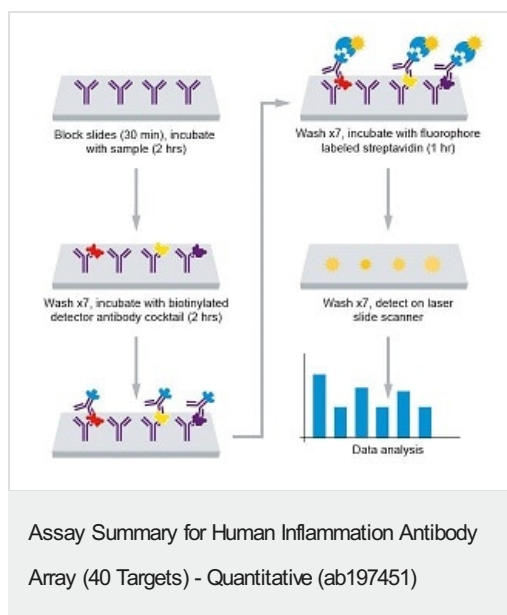
## Properties

### Storage instructions

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

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

## Images

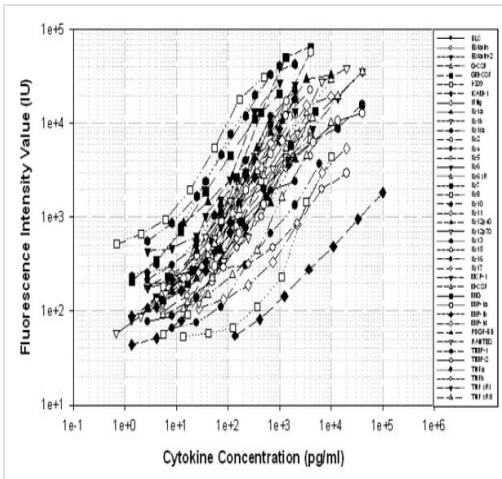


Assay Summary for Human Inflammation Antibody Array (40 Targets) - Quantitative (ab197451)

POS1	POS2	BLC
Eotaxin	Eotaxin-2	G-CSF
GM-CSF	I-309	ICAM-1
IFN $\gamma$	IL-1 $\alpha$	IL-1 $\beta$
IL-1ra	IL-2	IL-4
IL-5	IL-6	IL-6sR
IL-7	IL-8	IL-10
IL-11	IL-12p40	IL-12p70
IL-13	IL-15	IL-16
IL-17	MCP-1	MCSF
MIG	MIP-1 $\alpha$	MIP-1 $\beta$
MIP-1 $\delta$	PDGF-BB	RANTES
TIMP-1	TIMP-2	TNF $\alpha$
TNF $\beta$	TNF RI	TNF RII

Array Map for Human Inflammation Antibody Array (40 Targets) - Quantitative (ab197451)

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Standard Curve obtained with Human Inflammation Antibody Array (40 Targets)- Quantitative (ab197451)

Standard Curve obtained with Human Inflammation Antibody Array (40 Targets)- Quantitative (ab197451)

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

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