

Product datasheet

Human Immune Response Antibody Array (40 Targets) - Quantitative ab197448

[3 Images](#)

Overview

Product name	Human Immune Response 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>ab197448 can be used for quantitative measurement of 40 Human immune response-related biomarkers. Suitable for serum, plasma, cell culture media, other body fluids, cell and tissue lysates.</p> <p>Targets names: CD14, CD40, CD163, CRP, E-Selectin, Fas, FasL, GCSF, ICAM-1, IL-1α, IL-1β, IL-1R4, IL-2, IL-2Ra, IL-4, IL-6, IL-8, IL-10, IL-12p70, IL-13, IL-18, Lipocalin-2, MCP-1, MCP-2, MIF, MIP-1α, MIP-1β, OPN, PAI-1, PF4, PCT, RAGE, Resistin, TM, TNFα, TREM-1, Troponin 1, uPAR, VCAM-1, 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.

The standard is affinity purified.

[Learn more about quantitative antibody arrays](#)

[Learn more about membrane antibody arrays](#)

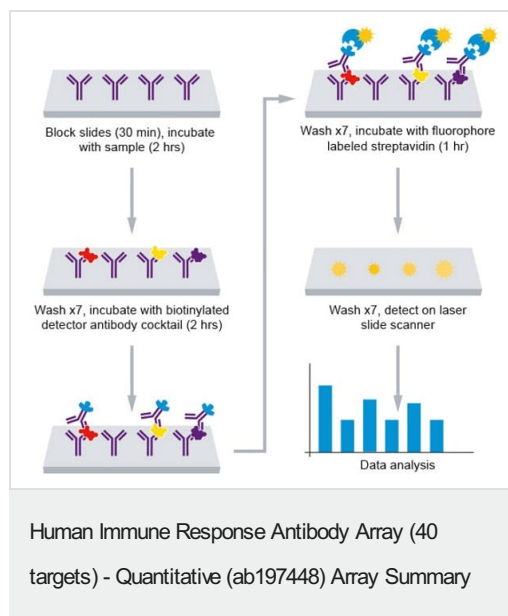
Properties

Storage instructions

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

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

Images

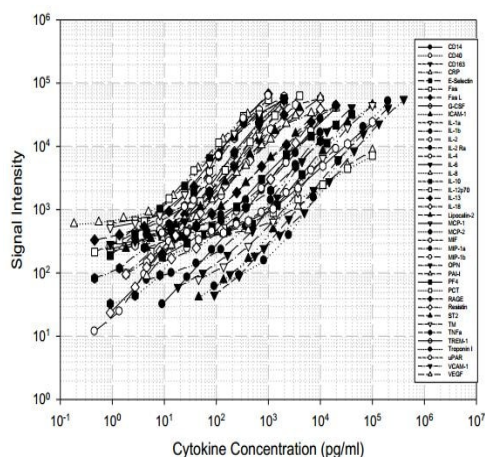


Assay summary for Abcam Human Immune Response Antibody Array (40 Targets) - Quantitative.

POS1	POS2	CD14
CD40	CD163	CRP
E-Selectin	Fas	FAS L
G-CSF	ICAM-1	IL-1 α
IL-1 β	IL-2	IL-2 R α
IL-4	IL-6	IL-8
IL-10	IL-12p70	IL-13
IL-18	Lipocalin-2	MCP-1
MCP-2	MIF	MIP-1 α
MIP-1 β	OPN	PAI-I
PF4	PCT	RAGE
Resistin	ST2	TM
TNF α	TREM-1	Troponin I
uPAR	VCAM-1	VEGF

Array map for Abcam Human Immune Response Antibody Array
(40 Targets) - Quantitative.

Human Immune Response Antibody Array (40
targets)- Quantitative (ab197448) Array Map



Standard Curve obtained with Abcam Human Immune Response
Antibody Array (40 Targets) - Quantitative.

Human Immune Response Antibody Array (40
targets)- Quantitative (ab197448) Standard Curve

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

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