abcam

Product datasheet

Mouse Inflammation Antibody Array (40 Targets) - Quantitative ab197473

3 Images

Overview

Product name	Mouse Inflammation Antibody Array (40 Targets) - Quantitative
Sample type	Cell culture supernatant, Serum, Plasma, Other biological fluids, Cell Lysate, Tissue Lysate
Assay type	Quantitative
Assay time	6h 00m
Species reactivity	**Reacts with:** Mouse
Product overview	ab197473 can be used for quantitative measurement of 40 mouse inflammatory factors. Suitable for cell culture supernatants, plasma, serum, cell and tissue lysates, and other biological fluids.

Targets names: BLC, CD30L, Eotaxin, Eotaxin-2, Fas L, G-CSF, GM-CSF, ICAM-1, IFNγ, IL-1α, IL-1β, IL-2, IL-3, IL-4, IL-5, IL-6, IL-7, IL-10, IL-12 p70, IL-13, IL-15, IL-17, IL-21, KC, Leptin, LIX, MCP-1, MCP-5, M-CSF, MIG, MIP-1α, MIP-1γ, PF-4, RANTES, TARC, TCA-3, TIMP-1, TNFα, TNFRI, TNFRII.

Learn more about quantitative antibody arrays

Notes	Quantitative antibody arrays can be used to quantitate up to 40 cytokines with as little as 50 μL 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	50 tests	8 tests	22 tests	8 tests
20X Wash Buffer I	6 x 30ml	2 x 30ml	3 x 30ml	2 x 30ml
20X Wash Buffer II	2 x 30ml	1 x 30ml	1 x 30ml	1 x 30ml
Cy3 equivalent dye-conjugated Streptavidin	4 x 5µl	1 x 5µl	2 x 5µl	1 x 5µl
Mouse Inflammation Array (40 T) Biotinylated Antibody Cocktail	4 units	1 unit	2 units	1 unit
Mouse Inflammation Array (40 T) Glass Slide	4 slides	1 slide	2 slides	1 slide
Mouse Inflammation Array (40 T) Lyophilized Cytokine Standard Mix	4 vials	1 vial	2 vials	1 vial
Sample Diluent	2 x 15ml	1 x 15ml	1 x 15ml	1 x 15ml
Slide Washer/Dryer (30 mL Centrifuge Tube)	2 units	1 unit	1 unit	1 unit

Images

Mouse Inflammation Antibody Array - Quantitative (40 targets) (ab197473) - Assay summary
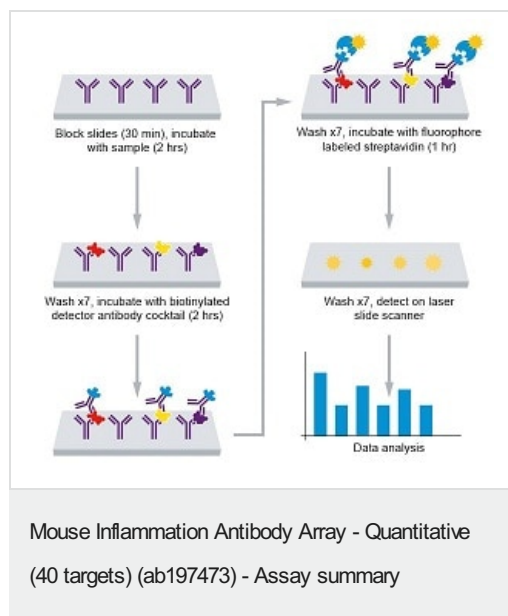
Mouse Inflammation Antibody Array - Quantitative (40 targets) (ab197473) - Assay summary

POS1	POS2	BLC
CD30L	Eotaxin	Eotaxin-2
Fas L	G-CSF	GM-CSF
ICAM-1	IFNγ	IL-1α
IL-1β	IL-2	IL-3
IL-4	IL-5	IL-6
IL-7	IL-10	IL-12p70
IL-13	IL-15	IL-17
IL-21	KC	Leptin
LIX	MCP-1	MCP-5
M-CSF	MIG	MIP-1α
MIP-1γ	PF-4	RANTES
TARC	TCA-3	TIMP-1
TNFα	TNF RI	TNF RII

Array map for Mouse Inflammation Antibody Array - Quantitative (40 targets) (ab197473)

Mouse Inflammation Antibody Array - Quantitative (40 targets) (ab197473) - Array map

Standard Curve obtained with abcam Mouse Inflammation Antibody Array - Quantitative (40 targets) (ab197473)
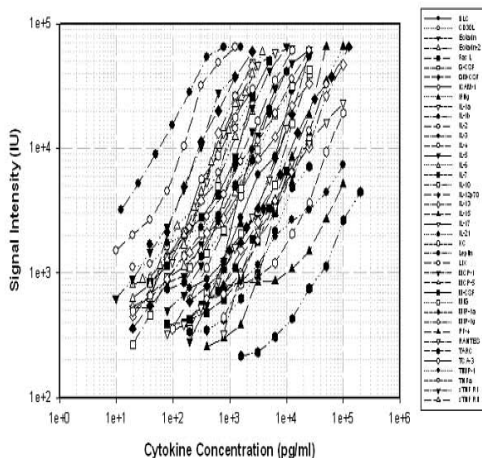
Mouse Inflammation Antibody Array - Quantitative (40 targets) (ab197473) - Standard curve

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