

Product datasheet

Human Cytokine Antibody Array (160 Targets) - Quantitative ab197427

1 Image

Overview

Product name	Human Cytokine Antibody Array (160 Targets) - Quantitative
Sample type	Serum, Plasma, Cell Lysate, Cell culture media, Tissue Lysate
Assay type	Quantitative
Assay time	6h 00m
Species reactivity	Reacts with: Human
Product overview	<p>ab197427 can be used for quantitative measurement of 160 Human cytokines. Suitable for serum, plasma, cell culture media, other body fluids, cell and tissue lysates.</p> <p>Targets: 4-1BB (TNFRSF9/CD137), 6Ckine (CCL21), ALCAM (CD166), Amphiregulin, Axl, CD80 (B7-1), BCMA (TNFRSF17), BDNF, Betacellulin (BTC), beta-NGF, bFGF, BLC (CXCL13), BMP-4, BMP-5, BMP-7, CCL28 (MEC), CD14, CD30 (TNFRSF8), CD40 Ligand (TNFSF5), CEACAM-1, CTACK (CCL27), CXCL16, DR6 (TNFRSF21), Dtk, EGF, EGFR, EG-VEGF (PK1), ENA-78 (CXCL5), Endoglin (CD105), Eotaxin-1 (CCL11), Eotaxin-2 (MPIF-2/CCL24), Eotaxin-3 (CCL26), ErbB3, E-Selectin, Fas (TNFRSF6/Apo-1), FGF-4, FGF-7 (KGF), Flt-3 Ligand, GCP-2, (CXCL6), GCSF, GDF-15, GDNF, GTR (TNFRSF18), GM-CSF, GRO alpha/beta/gamma, Growth Hormone, HB-EGF, HCC-1 (CCL14), HCC-4 (CCL16), HGF, HVEM (TNFRSF14), I-309 (TCA-3/CCL1), ICAM-1 (CD54), ICAM-3 (CD50), IFN-gamma, IGF-1, IGFBP-1, IGFBP-2, IGFBP-3, IGFBP-4, IGFBP-6, IL-1 alpha (IL-1 F1), IL-1 beta (IL-1 F2), IL-1 R4 (ST2), IL-1 ra (IL-1 F3), IL-1 R1, IL-10, IL-10 R beta, IL-11, IL-12 p40, IL-12 p70, IL-13, IL-15, IL-16, IL-17A, IL-17F, IL-17 RA, IL-18 BP alpha, IL-2, IL-21 R, IL-28A (IFN-lambda 2), IL-29 (IFN-lambda 1), IL-2 R gamma (Common gamma Chain), IL-31, IL-4, IL-5, IL-6, IL-6 R, IL-7, IL-8 (CXCL8), IL-9, Insulin, IP-10 (CXCL10), I-TAC (CXCL11), LIF, LIGHT (TNFSF14), LIMP II, Lipocalin-2 (NGAL), L-Selectin (CD62L), Lymphotactin (XCL1), YVE-1, MCP-1 (CCL2), MCP-2 (CCL8), MCP-3 (MARC/CCL7), MCP-4 (CCL13), M-CSF, M-CSF R, MDC (CCL22), MICA, MICB, MIF, MIG (CXCL9), MIP-1 alpha (CCL3), MIP-1 beta (CCL4), MIP-1 delta (CCL15), MIP-3 alpha (CCL20), MIP-3 beta (CCL19), MPIF-1, (CCL23), MSP alpha/beta, NAP-2 (PPBP/CXCL7), NGFR (TNFRSF16), NRG1-beta 1 (HRG1-beta 1), NT-3, NT-4, Osteopontin (SPP1), Osteoprotegerin (TNFRSF11B), PARC (CCL18), PDGF R beta, PDGF-AA, PDGF-BB, PECAM-1 (CD31), Platelet Factor 4 (CXCL4), PLGF, RAGE, RANTES (CCL5), SCF, SCF R (CD117/c-kit), SDF-1 alpha (CXCL12 alpha), TARC (CCL17), TECK (CCL25), TGF alpha, TGF beta 1, TGF beta 3, TIM-1 (KIM-1), TIMP-1, TIMP-2, TNF alpha, TNF beta (TNFSF1B), TNF RI (TNFRSF1A), TNF RII (TNFRSF1B), TRAIL R3 (TNFRSF10C), Trappin-2, TSLP, uPAR, VCAM-1, (CD106), VEGF-A, VEGF-D, VEGFR2, VEGFR3, XEDAR.</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](#)

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Properties

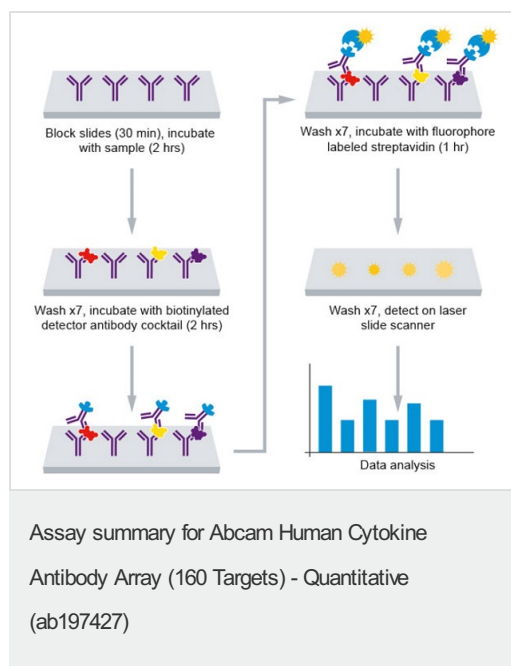
Storage instructions

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

Components	8 tests	22 tests	50 tests
20X Wash Buffer I	6 x 30ml	12 x 30ml	24 x 30ml
20X Wash Buffer II	2 x 30ml	4 x 30ml	8 x 30ml
Cy3 equivalent dye-conjugated Streptavidin	4 x 5 μ l	8 x 5 μ l	16 x 5 μ l
Human Chemokine Array (40 T) Biotinylated Antibody Cocktail	1 unit	2 units	4 units
Human Chemokine Array (40 T) Glass Slide	1 slide	2 slides	4 slides
Human Chemokine Array (40 T) Lyophilized Cytokine Standard Mix	1 vial	2 vials	2 vials
Human Growth Factor Array (40 T) Biotinylated Antibody Cocktail	1 unit	2 units	4 units
Human Growth Factor Array (40 T) Glass Slide	1 slide	2 slides	4 slides
Human Growth Factor Array (40 T) Lyophilized Cytokine Standard Mix	1 vial	2 vials	2 vials
Human Inflammation Array (40 T) Biotinylated Antibody Cocktail	1 unit	2 units	4 units
Human Inflammation Array (40 T) Glass Slide	1 slide	2 slides	4 slides
Human Inflammation Array (40 T) Lyophilized Cytokine Standard Mix	1 vial	2 vials	2 vials
Human Receptor Array (40 T) Biotinylated Antibody Cocktail	1 unit	2 units	4 units
Human Receptor Array (40 T) Glass Slide	1 slide	2 slides	4 slides

Components	8 tests	22 tests	50 tests
Human Receptor Array (40 T) Lyophilized Cytokine Standard Mix	1 vial	2 vials	2 vials
Sample Diluent	2 x 15ml	4 x 15ml	8 x 15ml
Slide Washer/Dryer (30 mL Centrifuge Tube)	2 units	4 units	8 units

Images



Assay summary for Abcam Human Cytokine Antibody Array (160 Targets) - Quantitative (ab197427)

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

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