

Human Bone Metabolism Antibody Array (41 Targets) - Quantitative ab197422

[1 Image](#)

Overview

Product name	Human Bone Metabolism Antibody Array (41 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>Abcam's Human Bone Metabolism Antibody Array B (41 Targets) - Quantitative ab197422 can be used for quantitative measurement of 41 Human Bone Metabolism proteins. Suitable for serum, plasma, cell culture media, other body fluid, cell and tissue lysates.</p> <p>Targets: Activin A, aFGF (FGF-1), Amphiregulin, bFGF, BMP-4, BMP-9, E-Selectin, ICAM-1 (CD54), IGF-1, IL-1 alpha (IL-1 F1), IL-1 beta (IL-1 F2), IL-6, IL-8 (CXCL8), IL-11, IL-17A, MCP-1 (CCL2), M-CSF, MIP-1 alpha (CCL3), MMP-2, MMP-9, MMP-13, Osteoactivin (GPNMB), P-Cadherin, RANK (TNFRSF11A), SDF-1 alpha (CXCL12 alpha), Sonic Hedgehog N-Terminal (Shh-N), TGF beta 1, TGF beta 2, TNF alpha, VCAM-1 (CD106), VE-Cadherin (CDH5), BMP-2, BMP-6, BMP-7, DKK-1, MMP-3, Osteoprotegerin (TNFRSF11B), Osteopontin (SPP1), PDGF-BB, TGF beta 3, TRANCE (TNFSF11).</p> <p>The analytes measured by this kit are split across 2 different arrays on different slides, both of which are provided in the kit</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 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.

The standard is affinity purified.

[Learn more about quantitative antibody arrays.](#)

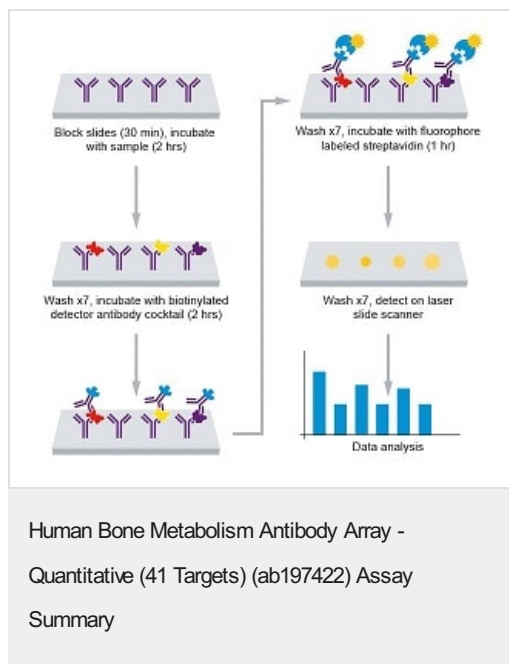
[Learn more about membrane antibody arrays.](#)

Properties

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

Components	8 tests	50 tests	22 tests
20X Wash Buffer I	3 x 30ml	12 x 30ml	6 x 30ml
20X Wash Buffer II	1 x 30ml	4 x 30ml	2 x 30ml
Cy3 equivalent dye-conjugated Streptavidin	2 x 5µl	8 x 5µl	4 x 5µl
Human Bone Metabolism Array (10 T) Biotinylated Antibody Cocktail	1 unit	4 units	2 units
Human Bone Metabolism Array (10 T) Glass Slide	1 slide	4 slides	2 slides
Human Bone Metabolism Array (10 T) Lyophilized Cytokine Standard Mix	1 vial	2 vials	2 vials
Human Bone Metabolism Array (31 T) Biotinylated Antibody Cocktail	1 unit	4 units	2 units
Human Bone Metabolism Array (31 T) Glass Slide	1 slide	4 slides	2 slides
Human Bone Metabolism Array (31 T) Lyophilized Cytokine Standard Mix	1 vial	2 vials	2 vials
Sample Diluent	1 x 15ml	4 x 15ml	2 x 15ml
Slide Washer/Dryer (30 mL Centrifuge Tube)	1 unit	4 units	4 units

Images



Assay Summary for Human Bone Metabolism Antibody Array - Quantitative (41 Targets) (ab197422).

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

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