

## Product datasheet

# Human Ig Isotyping Antibody Array (8 Targets) - Quantitative ab197452

[3 Images](#)

### Overview

<b>Product name</b>	Human Ig Isotyping Antibody Array (8 Targets) - Quantitative
<b>Sample type</b>	Serum
<b>Assay type</b>	Quantitative
<b>Assay time</b>	6h 00m
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Product overview</b>	ab197452 can be used for quantitative measurement of 8 Human immunoglobulins. Suitable for blood serum. Target names: IgA, IgD, IgE, IgM, IgG <sub>1</sub> , IgG <sub>2</sub> , IgG <sub>3</sub> , and IgG <sub>4</sub> .

### 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, 50 with 4 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**

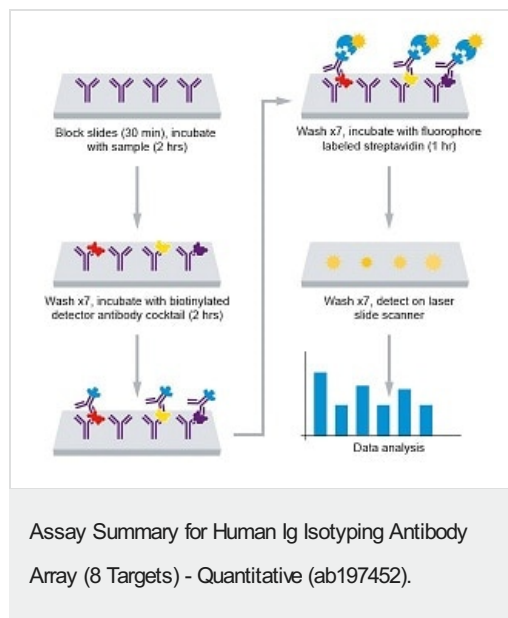
**Properties**

**Storage instructions**

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

Components	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 Ig Isotyping Array (8 T) Biotinylated Antibody Cocktail	1 unit	4 units	2 units
Human Ig Isotyping Array (8 T) Glass Slide	1 slide	4 slides	2 slides
Human Ig Isotyping Array (8 T) Lyophilized Cytokine Standard Mix	1 vial	4 vials	2 vials
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**

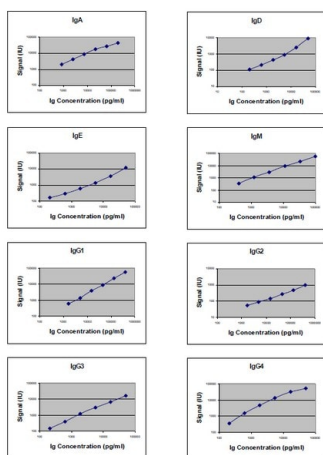


Assay Summary for Human Ig Isotyping Antibody Array (8 Targets) - Quantitative (ab197452).

POS1	POS2
<b>IgA</b>	<b>IgD</b>
<b>IgE</b>	<b>IgM</b>
<b>IgG1</b>	<b>IgG2</b>
<b>IgG3</b>	<b>IgG4</b>

Array Map for Human Ig Isotyping Antibody Array (8 Targets) - Quantitative (ab197452).

Array Map for Human Ig Isotyping Antibody Array (8 Targets) - Quantitative (ab197452).



Standard Curves obtained with Abcam Human Ig Isotyping Antibody Array (8 Targets)- Quantitative (ab197452)

Standard Curves obtained with Abcam Human Ig Isotyping Antibody Array (8 Targets)- Quantitative (ab197452)

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