

**PROMO RINNOVATA**

**PROMOZIONE**

Ver. 2021/03

**CODICE**

QB20

**VALIDITA'**

dal 01/02/2021 al 31/12/2021

## -20% sugli array Quantibody e GS-series

*Quantibody® is an array-based multiplex ELISA system for simultaneous quantitative measurement of multiple cytokines, growth factors, proteases, soluble receptors, and other proteins in a wide variety of sample types. Quantibody® combines the high specificity and sensitivity of ELISA with the high throughput of the glass chip-based array.*

*With this platform, only 50 µl of sample is needed for quantification of up to 40 proteins in quadruplicate, making this array 80 times more efficient than traditional ELISA.*

*GS-Series array features the same antibody panels used in Quantibody Arrays but they will not include the standard cocktail so results will be semi-quantitative in comparison.*

**SEARCH QUANTIBODY**

**SEARCH GS-SERIES**

### CONDIZIONI PROMOZIONALI

- Ricevi uno sconto del 20% acquistando un Quantibody® o un GS-Series Array di RayBiotech.
- La promozione si applica su ordini pervenuti nel periodo di validità che riportino il codice promozionale. Non cumulabile con altre in corso.
- L'offerta è valida su tutto il territorio nazionale, non per rivendita. Non è cumulabile con altre promozioni in corso.
- Prodotti Gianni si riserva il diritto di sospendere o modificare la promozione in qualsiasi momento.
- Condizioni d'ordine: 29,00 € di spese per ordini superiori a 500,00 € IVA esclusa. 40,00 € per ordini di importo inferiore. Ghiaccio secco incluso. Spese aggiuntive previo accordo per trasporto speciale o per bollo, se richiesto.

Per informazioni: Numero Verde 800 832027

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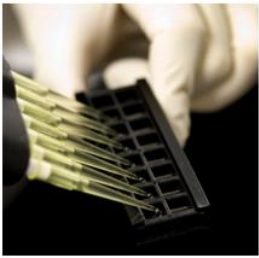
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## Quantibody Features

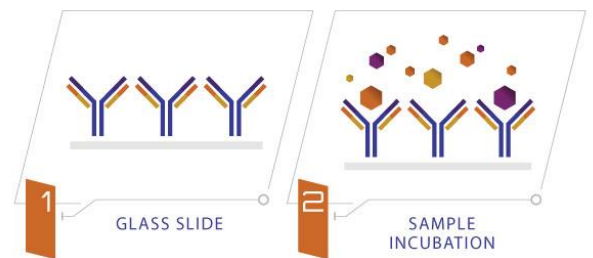
Get 4x the data, plus high throughput



Each 75mm x 25mm glass slide is spotted with 16 identical antibody arrays (also called "subarrays"). Within each subarray, the capture antibodies along with controls are spotted in quadruplicate. The slide comes with a 16-well removable gasket and chamber assembly that allows for simultaneous processing of up to 14 samples per slide. To achieve even higher throughput, 4 slides can be nested into a tray which matches a standard microplate, allowing for automated processing of 64 arrays simultaneously. The latest automated liquid handling work stations can accommodate several trays at once, allowing hundreds of samples to be processed per day.

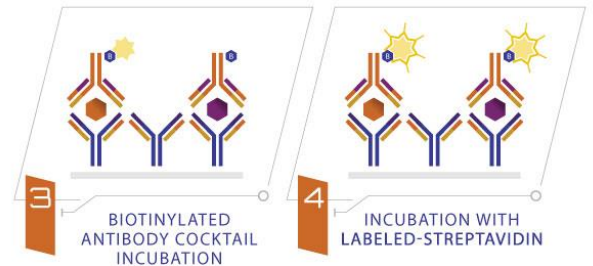
### Features

- Less sample, more data: only 50 ul of sample is needed for quantification of up to 40 cytokines
- 4-hour processing time
- More cost-effective than ELISA
- No interference between capture antibodies (unlike bead-based multiplex assays)
- No dedicated equipment required
- Customizable – create a custom array from our list of targets



### Contents of kit

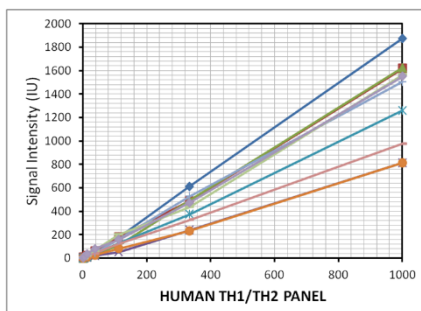
- Glass Chip with antibody arrays
- Sample Diluent
- Lyophilized protein standard mix
- Detection antibody cocktail
- Streptavidin-Fluorescent dye
- Wash buffer
- Manual



\*Accessories include: 16-well incubation chamber with gasket, protective cover, snap-on sides, adhesive film

## How It Works

Like a traditional sandwich-based ELISA, Quantibody uses a matched pair of antibodies for target protein detection. A panel of capture antibodies is printed in multiple identical arrays on a standard slide. After a blocking step, samples are incubated with the arrays. Nonspecific proteins are then washed off, and the arrays are incubated with a cocktail of biotinylated detection antibodies, followed by a streptavidin-conjugated fluor. Signals are then visualized using a fluorescence laser scanner.



To quantify target protein concentrations, the array-specific protein standards, whose concentrations have been predetermined, are provided to generate an 8-point standard curve of each target protein. By comparing signals from unknown samples to the standard curve, the unknown cytokine concentration in the samples will be determined.

RayBiotech Quantibody slide scanning and data extraction service is now **FREE** for a limited time only!

## Research Applications

- High-throughput profiling of cytokine expression
- Validation of semi-quantitative antibody array results
- Identifying potential molecular targets for drug development
- Identifying the molecular mechanisms of drug action
- Identifying crucial factors involved in disease processes
- Discovering biomarkers for disease management
- Discovering expression patterns for molecular classification of diseases

## Glass Slide Microarray Technique

### References

- Bigelman E., Cohen L., Aharon-Hananel G., et al. Pathological presentation of cardiac mitochondria in a rat model for chronic kidney disease. PLoS One. 2018 Jun 11;13(6):e0198196. doi: 10.1371/journal.pone.0198196 [\[view publication\]](#)  
**Sample Type:** Plasma
- Dillman R., Cornforth A., Nistor G., et al. Randomized phase II trial of autologous dendritic cell vaccines versus autologous tumor cell vaccines in metastatic melanoma: 5-year follow up and additional analyses. J Immunother Cancer. 2018 Mar 6;6(1):19. doi: 10.1186/s40425-018-0330-1. [\[view publication\]](#)  
**Sample Type:** Serum
- Izrael M., Slutsky SG., Admoni T., et al. Safety and efficacy of human embryonic stem cell-derived astrocytes following intrathecal transplantation in SOD1G93A and NSG animal models. Stem Cell Res Ther. 2018 Jun 6;9(1):152. doi: 10.1186/s13287-018-0890-5. [\[view publication\]](#)  
**Sample Type:** Conditioned Media
- Leung GP., Feng T., Sigoillot FD., et al. Hyperactivation of MAPK Signaling Is Deleterious to RAS/RAF-mutant Melanoma. Mol Cancer Res. 2018 Sep 10. doi: 10.1158/1541-7786.MCR-18-0327 [\[view publication\]](#)  
**Sample Type:** Conditioned Media
- Liao Y., Ivanova L., Zhu H., et al. Cord Blood-Derived Stem Cells Suppress Fibrosis and May Prevent Malignant Progression in Recessive Dystrophic Epidermolysis Bullosa. Stem Cells. 2018 Sep 24. doi: 10.1002/stem.2907. [\[view publication\]](#)  
**Sample Type:** Conditioned Media
- Platonov M., Borovjagin AV., Kaverina N., et al. KISS1 tumor suppressor restricts angiogenesis of breast cancer brain metastases and sensitizes them to oncolytic virotherapy in vitro. Cancer Lett. 2018 Mar 28;417:75-88. doi: 10.1016/j.canlet.2017.12.024. [\[view publication\]](#)  
**Sample Type:** Conditioned Media
- Vincent FB., Nim HT., Lee JPW., et al. Effect of storage duration on cytokine stability in human serum and plasma. Cytokine. 2018 Jun 14. pii: S1043-4666(18)30257-6. doi: 10.1016/j.cyto.2018.06.009. [\[view publication\]](#)  
**Sample Type:** Serum
- Duncan H., Smith A., Flemming G., et al. Release of bio-active dentine extracellular matrix components by histone deacetylase inhibitors (HDACi). Int Endod J. 2017 Jan;50(1):24-38. doi: 10.1111/iej.12588. [\[view publication\]](#)  
**Sample Type:** Conditioned Media
- Erikson J., Valente A., Mummidi S., et al. Targeting TRAF3IP2 by genetic and interventional approaches inhibits ischemia/reperfusion-induced myocardial injury and adverse remodeling. J Biol Chem.

2017 Feb 10;292(6):2345-2358. doi: 10.1074/jbc.M116.764522. [\[view publication\]](#)

**Sample Type:** Tissue Lysate

- Fischer G., Wang F., Xiang H., et al. Inhibition of neuropathic hyperalgesia by intrathecal bone marrow stromal cells is associated with alteration of multiple soluble factors in cerebrospinal fluid. *Exp Brain Res.* 2017 Sep;235(9):2627-2638. doi: 10.1007/s00221-017-5000-x. [\[view publication\]](#)

**Sample Type:** CSF

- He J., Zhao J., Peng X., et al. Molecular Mechanism of MiR-136- 5p Targeting NF- $\kappa$ B/A20 in the IL-17- Mediated Inflammatory Response after Spinal Cord Injury. *Cell Physiol Biochem.* 2017;44(3):1224-1241. doi: 10.1159/000485452 [\[view publication\]](#)

**Sample Type:** Conditioned Media

- Himburg H., Doan P., Quarmyne M., et al. Dickkopf-1 promotes hematopoietic regeneration via direct and niche-mediated mechanisms. *Nat Med.* 2017 Jan;23(1):91-99. doi: 10.1038/nm.4251. [\[view publication\]](#)

**Sample Type:** Bone marrow fluid

- Luck C., Demarco V., Mahmood A., et al. Differential Regulation of Cardiac Function and Intracardiac Cytokines by Rapamycin in Healthy and Diabetic Rats. *Oxid Med Cell Longev.* 2017;2017:5724046. doi: 10.1155/2017/5724046 [\[view publication\]](#)

**Sample Type:** Tissue Lysate

- Moicsko K., Bordry N., Gfeller D., et al. Baseline serum predictors of clinical response to CTLA4 inhibitor therapy in melanoma patients. *Journal of Clinical Oncology* 33, no. 15\_suppl (May 20 2015) 3025-3025 [\[view publication\]](#)

**Sample Type:** Serum

- Reategui E., Fatemeh J., Khankhel A., et al. Microscale arrays for the profiling of start and stop signals coordinating human-neutrophil swarming. *Nature Biomedical Engineering* 1, Article number: 0094 (2017) doi:10.1038/s41551-017-0094 [\[view publication\]](#) |

**Sample Type:** Conditioned Media

*More references are listed per product on the individual product pages.*