

BD CBA Soluble Protein Flex Set System

For multiplex analysis of cytokines, chemokines, and growth factors

Features

Designed for multiplex analysis, providing more data using a single sample

Open and configurable to maximize flexibility

Analyzes up to 30 proteins with just 25 to 50 μ L of sample

Direct PE labeling minimizes risk of increased background caused by endogenous biotin

Works with flow cytometers equipped with 488-nm and 633-nm lasers

The BD™ Cytometric Bead Array (CBA) Soluble Protein Flex Set system provides a configurable menu of bead-based reagents designed to make it easy to create multiplex assays. The system provides a reliable and flexible method for quantitative detection of multiple proteins in a single serum, plasma, tissue culture supernatant, or cell lysate sample, saving time and conserving precious samples. The broad menu includes T-cell differentiation factors (eg, Th1, Th2, and Th17), modulators of inflammation, and key markers for monitoring the immune response.

More data in less time from a single sample

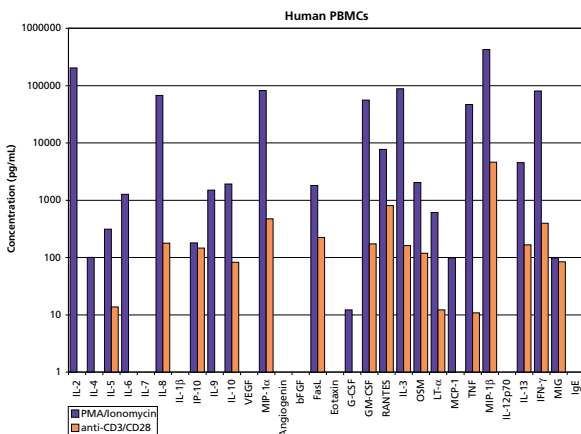
Multiplexing is especially useful when only a small amount of sample is available because it maximizes the number of proteins that can be analyzed. Up to 30 proteins can be analyzed with just 25 to 50 μ L of sample using the BD CBA system. Other methods such as ELISA require a similar amount of sample, but can analyze only one protein from the same volume. Because only a small amount of sample is needed, multiplexing reduces hands-on time as well as time to results.

Flexible and ready-to-use

BD CBA Soluble Protein Flex Set assays are formulated to be combined into any size plex and are sold individually to provide a highly flexible system. Each group of assays (human soluble protein, mouse/rat soluble protein) shares a unique master buffer kit.

Robust assay system

All assays have been validated for performance in single-plex and multiplex scenarios to ensure consistent data. The antibody pair that comprises each assay is evaluated for dynamic range, sensitivity, and parallel titration to native biological samples. The detection antibodies are directly labeled with phycoerythrin (PE). This minimizes the risk of increased background caused by endogenous biotin in serum and lysate samples when the streptavidin-biotin-PE detection method is used. Visit bdbiosciences.com/cba for more information.



Human peripheral blood mononuclear cells (PBMCs) stimulated under two different conditions and measured using the combined BD CBA Flex Set assay (30 plex).



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