

BIGGER, BETTER Cytokine Analysis

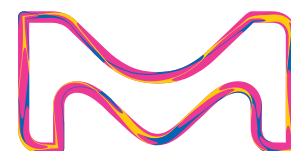
With MILLIPLEX® Human Cytokine/Chemokine/Growth Factor Panel B

Cytokine multiplex assays allow researchers to measure multiple cytokines, chemokines, and growth factors from one small sample, saving time and resources. The MILLIPLEX® Human Cytokine/Chemokine/Growth Factor Panel B offers high-quality performance and the

flexibility to select any combination of analytes or a fixed premixed panel. Use alongside our MILLIPLEX® Human Cytokine/Chemokine/Growth Factor Panel A to analyze nearly 100 cytokines!

MILLIPLEX® Human Cytokine/Chemokine/Growth Factor Panel B

Cat. No.	HCYTB-60K	HCYTB-60K-PX48 HCYTB-60K-PXBK48 (Bulk packaging)	HCYTB-60K-PX38 HCYTB-60K-PXBK38 (Bulk packaging)
Description	Select your own analytes, custom premixing available	48-plex fixed premixed beads	38-plex fixed premixed beads
Analytes Included	6Ckine, sCD137, sFas, sFasL, APRIL, BAFF, BCA-1, CCL28, CTACK, CXCL16, ENA-78, Eotaxin-2, Eotaxin-3, GCP-2, Granzyme A, Granzyme B, HMGB1, I-309, IFN β , IFN ω , IL-11, IL-16, IL-20, IL-21, IL-23, IL-24, IL-28A, IL-29, IL-31, IL-33, IL-34, IL-35, I-TAC, LIF, Lymphotoctin, MCP-2, MCP-4, MIP-1 δ , MIP-3 α , MIP-3 β , MPIF-1, Perforin, SCF, SDF-1, TARC, TPO, TRAIL, TSLP		6Ckine, sCD137, sFas, sFasL, APRIL, BAFF, BCA-1, CTACK, ENA-78, Eotaxin-2, Eotaxin-3, Granzyme A, Granzyme B, HMGB1, I-309, IFN β , IFN ω , IL-16, IL-20, IL-21, IL-23, IL-28A, IL-29, IL-31, IL-33, I-TAC, LIF, MCP-2, MCP-4, MIP-1 δ , MIP-3 α , Perforin, SCF, SDF-1, TARC, TPO, TRAIL, TSLP
Sample Type	Serum, plasma, cell/tissue culture supernatants		
Standard Curves	Broad, fixed ranges for lot-to-lot consistency, optimized for each analyte		
Precision	$\leq 15\%$ Intra-assay %CV, $\leq 20\%$ Inter-assay %CV		
Compatible Luminex® Instruments	xMAP® INTELLIFLEX®, Luminex® 200™, FLEXMAP 3D®, MAGPIX® platforms		
Related Products	MILLIPLEX® Human Cytokine/Chemokine/Growth Factor Panel A 48-Plex (Cat. No. HCYTA-60K) SMC® Human IL-23 (Cat. No. 03-0157-00) SMC® Human IFN β 1 (Cat. No. 03-0191-00)		



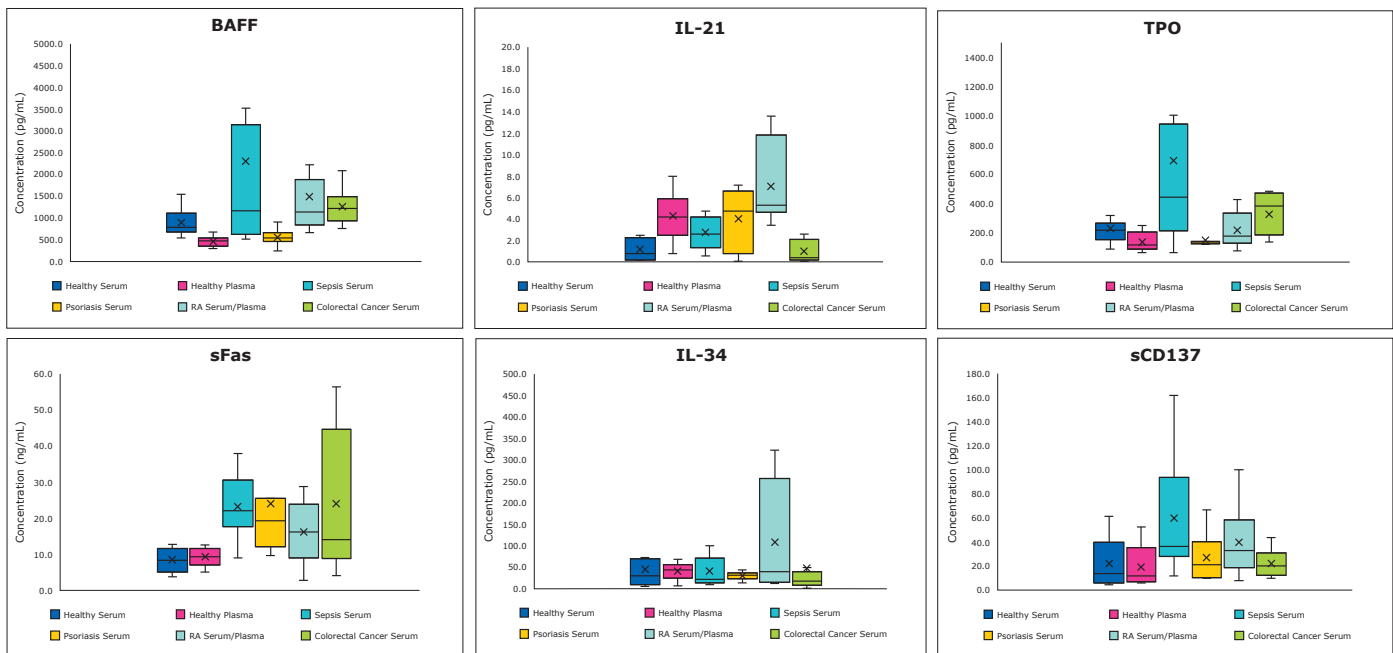


Figure 1. Distribution of sample concentrations using healthy donor serum (n=10) and plasma (n=10), sepsis serum (n=9), psoriasis serum (n=7), rheumatoid arthritis serum and plasma (n=12), and colorectal cancer serum (n=9) are shown measured in MILLIPLEX® Human Cytokine/Chemokine/Growth Factor Panel B (Cat. No. HCYTB-60K).

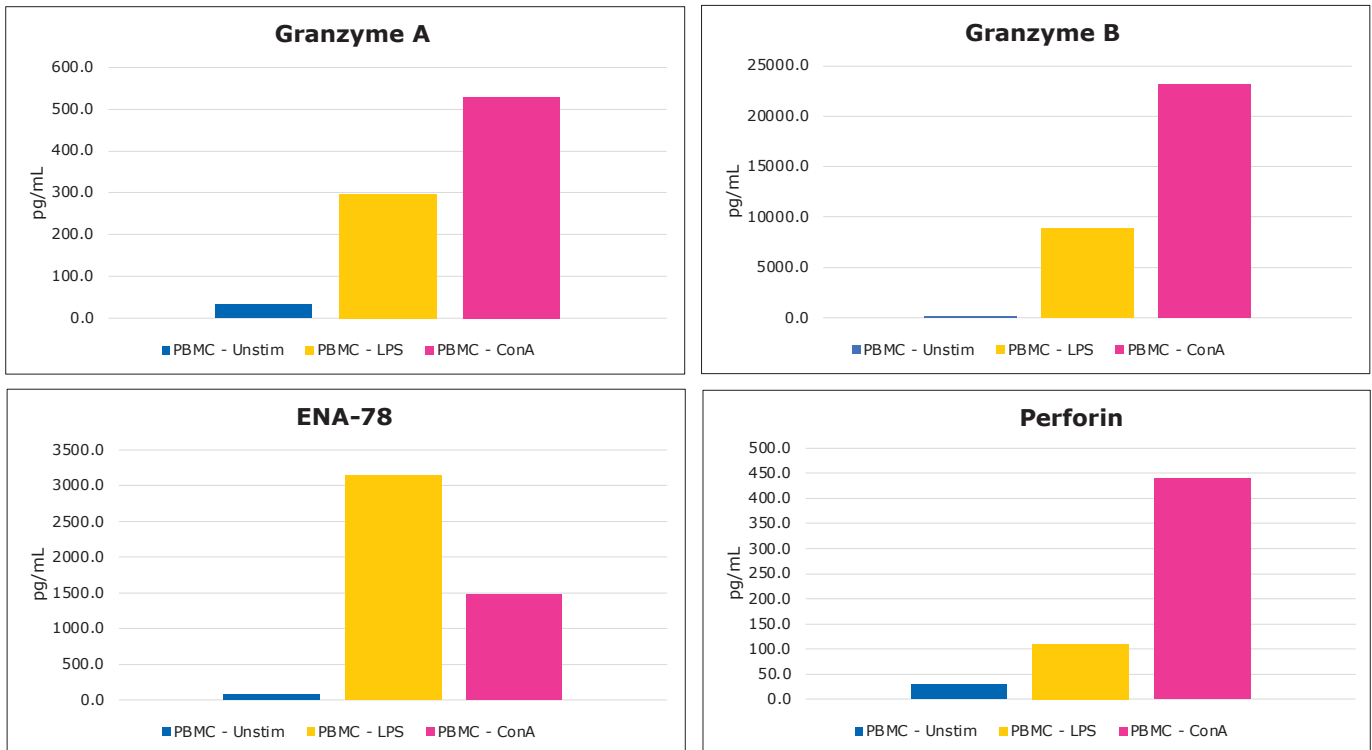


Figure 2. Average cytokine concentrations for unstimulated PBMCs (n=5) compared to PBMCs stimulated for 48 hours with LPS (n=5) or ConA (n=5) measured with MILLIPLEX® Human Cytokine/Chemokine/Growth Factor Panel B (Cat. No. HCYTB-60K).

MILLIPLEX® kits are manufactured in facilities that are ISO 9001-2015 compliant and are for research use only (RUO), not for use in clinical or for medical diagnostic purposes.

Discover more at SigmaAldrich.com/milliplex-cytokines

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