

ANTIGENIX AMERICA Inc.

**Super-X Plex™ Flow Cytometry Assay
Multi-Plex Panel (18 Plex)**

Product Information Summary

Human Th1/Th2/Th17 Cat No.HMX178 96 tests

DESCRIPTION: Multi-Plex (18 Plex) Flow Cytometry Assay Panel
- components to measure **human: IL-1 beta, IL-2, IL-4, IL-5,
IL-6, IL-8, IL-9, IL-10, IL-12p70, IL-17A, IL-17F, IL-22,
IL-33, IFN Gamma, TNF Alpha, TNF Beta, GM-CSF, and TSLP
simultaneously-** in human Serum, Plasma, Cell Culture
Supernatant or Cell Lysate samples.

NOTE: ORDER a Sample Diluent Kit (to match sample type):

Human Serum/Plasma (**DKH100**) or
Cell Culture Supernatant (**DKC100**) or
Cell Lysate (**DKL100**)

Cell Lysate Prep Buffer (**CLP200**) or Sample Dilution Buffer
(to dilute high concentration samples) -(**SDL200**)
also available.

(STARTER Kit Included)

CONTENTS:

Antibody Conjugated Beads 5.0 mL (1X) (Pre-Mixed , 18-Plex)
Detection Antibody - Biotin 1.5 mL (2X) (Pre-Mixed , 18-Plex)
Detection Antibody Diluent 1.5 mL (2X)

Standard: Vials A, B, and C of lyophilized standard containing
Pre-mixed multiplexed analytes -above- (see vial insert) -
single standard vial can be used for one or more assays
indicated.

STARTER Kit: (Human Panel)

Reading Buffer 5.0 mL (10X)
Wash Buffer 20.0 mL (10X)
Filter plate with lid (96 wells)
Plate Sealers (6)
Streptavidin-PE 3.0 mL (1X)
PCR 8 tube strip 2 strips

STORAGE: Store Refrigerated (4-8° C. - in dark)

CAUTION: Contains Sodium Azide - (0.05%) - Dispose contents carefully, flush with water to avoid reaction with lead drain lines.

PROTOCOL: Refer to Kit protocol provided with assay ordered.

Assay Specifications:

Sensitivities (pg/mL)	Range: (pg/mL)
Human IL-1 Beta < 5.0	10.0 - 5,000
Human IL-2 < 3.0	10.0 - 2,000
Human IL-4 < 1.0	3.0 - 1,000
Human IL-5 < 2.0	5.0 - 2,000
Human IL-6 < 5.0	10.0 - 5,000
Human IL-8 < 1.0	1.0 - 1,000
Human IL-9 < 5.0	10.0 - 5,000
Human IL-10 < 2.0	5.0 - 5,000
Human IL-12p70 < 3.0	10.0 - 2,000
Human IL-17A < 3.0	10.0 - 1,000
Human IL-17F < 2.0	5.0 - 2,000
Human IL-22 < 3.0	10.0 - 2,000
Human IL-33 < 5.0	10.0 - 5,000
Human IFN Gamma < 3.0	10.0 - 2,000
Human GM-CSF < 5.0	10.0 - 5,000
Human TNF Alpha < 1.0	2.0 - 1,000
Human TNF Beta < 5.0	10.0 - 5,000
Human TSLP < 2.0	5.0 - 2,000

Sample Size: 15.0 uL per test
X-Reactivity within panel : negligible
Intra Assay CV: <10% Inter Assay CV <20%
Recovery 70-130% standard dose

RESEARCH USE ONLY
NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE.

WWW.ANTIGENIX.com 1-800-558-1008