

ANTIGENIX AMERICA Inc.

**Super-X Plex™ Flow Cytometry Assay
Multi-Plex Panel (11-Plex)**

Product Information Summary

**Human T-Helper Cytokine Cat No.HMX771
(11-Plex panel) (Th1/Th2) 96 tests**

DESCRIPTION: Multi-Plex (11 Plex) Flow Cytometry Assay Panel
- components to measure **human: IL-1 beta, IL-2, IL-4, IL-5,
IL-6, IL-9, IL-10, IL-12p70, IFN Gamma, GM-CSF, and
TNF Alpha, 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 , 11-Plex)
Detection Antibody - Biotin 1.5 mL (2X) (Pre-Mixed , 11-Plex)
Detection Antibody Diluent 1.5 mL (2X)

Standard: Vials A and B 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 15.0 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.
Follow protocol section for Multi-Plex panels.

Assay Specifications:

Sensitivities (pg/mL) Range: (pg/mL)

Bead Specs:

| | | | |
|-------|----------------|-------|--------------|
| S4P3 | Human TNFa | < 1.0 | 2.0 - 1,000 |
| S4P6 | Human IL-1B | < 5.0 | 10.0 - 5,000 |
| S4P7 | Human IL-2 | < 3.0 | 10.0 - 2,000 |
| S4P9 | Human IFNg | < 3.0 | 10.0 - 2,000 |
| S4P11 | Human IL-9 | < 5.0 | 10.0 - 5,000 |
| S4P12 | Human IL-12p70 | < 3.0 | 10.0 - 2,000 |
| S5P3 | Human GM-CSF | < 5.0 | 10.0 - 5,000 |
| S5P4 | Human IL-4 | < 1.0 | 3.0 - 1,000 |
| S5P5 | Human IL-5 | < 2.0 | 5.0 - 2,000 |
| S5P6 | Human IL-6 | < 5.0 | 10.0 - 5,000 |
| S5P10 | Human IL-10 | < 2.0 | 5.0 - 5,000 |

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