

Product Insert

AimPlex™ Analyte Kit

Mouse Th1/Th2/Th17 7-Plex (96 Tests)

PN: C281107

COMPONENTS

1x Ab-conjugated beads (premixed 7-plex). PN: C281107A. One bottle containing 5 mL of the following AimPlex antibody-bead conjugates:

S4P2 - anti-mouse IL-2
S4P8 - anti-mouse IFN γ
S4P12 - anti-mouse IL-17A
S5P2 - anti-mouse IL-4
S5P5 - anti-mouse IL-6
S5P9 - anti-mouse IL-10
S5P11 - anti-mouse TNF α

2x Biotin-detection Ab (premixed 7-plex). PN: C281107B. One vial containing 1.5 mL of the following biotinylated antibodies.

Biotin - anti-mouse IL-2
Biotin - anti-mouse IFN γ
Biotin - anti-mouse IL-17A
Biotin - anti-mouse IL-4
Biotin - anti-mouse IL-6
Biotin - anti-mouse IL-10
Biotin - anti-mouse TNF α

2x Mouse/Rat dAb Diluent. PN: 07MRDX21. One vial containing 1.5 mL of biotin detection antibody diluent

Lyophilized Standard Mix-Mouse Group 1 Panel A, 7-Plex. PN: MG10007. One vial containing lyophilized recombinant mouse IFN γ , IL-2, IL-4, IL-6, IL-10, IL-17A, TNF α .

STORAGE: 2-8°C in the dark.

IMPORTANT: Sodium azide forms explosive compounds with heavy metals. These products contain <0.05% (w/w) azide which with repeated contact with lead and copper commonly found in plumbing drains may result in the buildup of shock sensitive compounds. Dispose in accordance with regulations from your institute.

APPLICATION: Optimal antibody pairs and antigen standards for assaying mouse Th1/Th2/Th17 7-Plex Panel. To be used in conjunction with the AimPlex Basic Kit for Premixed Panels (PN: U100005) and a diluent kit. Refer to the AimPlex Multiplex Immunoassay User Manual and kit inserts for the assay procedure.

For Research Use Only. Not for use in diagnostic procedures.

Assay Specifications:

Sample types: Cell culture supernatant, serum, plasma, bodily fluid and tissue/cell lysate

	Sensitivity (LOD, pg/mL)	LLOQ (pg/mL)	ULOQ (pg/mL)
Mouse IFNγ	< 0.5	< 2	> 5000
Mouse IL-2	< 2	< 5	> 5000
Mouse IL-4	< 0.5	< 2	> 1500
Mouse IL-6	< 3	< 10	> 5000
Mouse IL-10	< 2	< 5	> 2000
Mouse IL-17A	< 1.5	< 5	> 5000
Mouse TNFα	< 0.5	< 2	> 1500

Standard dose recovery: 70-130%

Intra-assay CV: < 10%

Inter-assay CV: < 20%

Cross-reactivity of analytes in the panel: Negligible

Sample volume: 15 μ L/test

Please contact Customer Service at 626-817-6366 with any questions or comments.

Thank you for your business!