Meso Scale Diagnostics, LLC.

CERTIFICATE OF ANALYSIS

Product Description: V-PLEX® and V-PLEX Plus Human IL-17A/F Kit

Kit Catalog Numbers: K151WN-Series

Kit Lot Number: K0080624

Expiration Date: 28 Feb 2019

Acceptance Data/ Percent Recovery Specifications:

		Calibrator		Cytokine Panel 2 (human) Control 1		Cytokine Panel 2 (human) Control 2		Cytokine Panel 2 (human) Control 3	
Spot	Name	Recovery	CV	Recovery	CV	Recovery	CV	Recovery	CV
1	hu IL-17A/F	80% - 120%	< 20%	80% - 120%	< 20%	80% - 120%	< 20%	80% - 120%	< 20%

		LLOQ			ULOQ		
Spot	Name	Value	Recovery	CV	Value	Recovery	CV
1	hu IL-17A/F	7.57	80% - 120%	< 20%	3900	80% - 120%	< 20%

Stock Concentration of Material Tested :

Spot	Name	Item	Conc	Units
1	hu IL-17A/F	Calibrator	5430	pg/mL
		Cytokine Panel 2 (human) Control 1	2390	pg/mL
		Cytokine Panel 2 (human) Control 2	317	pg/mL
		Cytokine Panel 2 (human) Control 3	39.2	pg/mL

Controls tested may not be the same lot as shipped.

Standard Curve Data:

hu IL-17A/F - Spot 1		
Conc. pg/mL	ECL Signal	%CV
5430	436,000	1.1
1360	108,000	1.3
339	25,800	2.2
84.8	6,190	1.0
21.2	1,630	1.8
5.30	467	1.9
1.33	178	3.4
0.00	76	5.0

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Components:

Description	Lot Number	Storage Temperature	Expiration Date
Human IL-17A/F Plate	Z0046220	2-8°C	28 Feb 2019
Anti-hu IL-17A/F antibody	D0080766	2-8°C	30 Apr 2019
Cytokine panel 2 (human) Calibrator Blend	A0080114	2-8°C	31 Dec 2021
Diluent 43	M0430020	≤ -10°C	30 Jun 2019
Diluent 3	M0030074	≤ -10°C	30 Jun 2019
MSD Read Buffer T	Not Kit Specific	Not Kit Specific	N/A

Additional Components Included in V-PLEX Plus	
Plate Seals	Not Kit Specific
Wash Buffer (20X), 100mL	Not Kit Specific
Cytokine Panel 2 (human) Control 1	Not Kit Specific
Cytokine Panel 2 (human) Control 2	Not Kit Specific
Cytokine Panel 2 (human) Control 3	Not Kit Specific

Statement:

The above product is intended for Research Use Only. Not for use in Diagnostic Procedures.

	Name	Function	Signature	Date
Review/Approval	Dawn Stollar	Quality Assurance	Dawn Stollar	21 JUL 2017