Meso Scale Diagnostics, LLC.

CERTIFICATE OF ANALYSIS

Product Description: Rat TIM-1/KIM-1/HAVCR Kit

Kit Catalog Numbers: K153JHC-series

Kit Lot Number: K0040395

Expiration Date: 30 Apr 2019

Acceptance Data/ Percent Recovery Specifications:

Spot	Name	Calibrator		Kidney Injury Panel 1 (rat) Control 1		Kidney Injury Panel 1 (rat) Control 2		Kidney Injury Panel 1 (rat) Control 3	
		Recovery	CV	Recovery	CV	Recovery	CV	Recovery	CV
1	Rat TIM-1/KIM-1/HAVCR	80% - 120%	< 20%	80% - 120%	< 20%	80% - 120%	< 20%	80% - 120%	< 20%

Spot	Name	LLOQ			ULOQ		
		Value	Recovery	CV	Value	Recovery	CV
1	Rat TIM-1/KIM-1/HAVCR	0.0200	80% - 120%	< 20%	10.0	80% - 120%	< 20%

Stock Concentration of Material Tested :

Spot	Name	Item	Conc	Units
1	Rat TIM-1/KIM-1/HAVCR	20X Calibrator	192	ng/mL
		Kidney Injury Panel 1 (rat) Control 1	20	ng/mL
		Kidney Injury Panel 1 (rat) Control 2	3.38	ng/mL
		Kidney Injury Panel 1 (rat) Control 3	0.712	ng/mL

Control data was generated utilizing internal reference controls.

Concentrations provided in this table refer to the stock concentration of the calibrators. For top of the standard curve concentrations, please refer to the Standard Curve Data

Standard Curve Data:

Conc. ng/mL	ECL Signal	%CV
9.59	804,000	3.7
3.20	319,000	4.2
1.07	104,000	1.7
0.355	32,600	4.7
0.118	11,300	2.2
0.0395	3,970	2.5
0.0132	1,560	2.4
0.00	321	3.0

Rat TIM-1/KIM-1/HAVCR - Spot 1

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Components:

Description	Lot Number	Storage Temperature	Expiration Date
Rat TIM-1/KIM-1/HAVCR Plate	Z0055951	2-8°C	31 Oct 2019
Anti-rat TIM-1/KIM-1/HAVCR Antibody	D0040703	2-8°C	30 Apr 2020
Rat TIM-1/KIM-1/HAVCR Calibrator	A0040195	≤ -70°C	30 Nov 2019
Blocker A Kit	Not Kit Specific	Not Kit Specific	N/A
Diluent 5	M0050060	≤ -10°C	30 Apr 2019
MSD Read Buffer T	Not Kit Specific	Not Kit Specific	N/A

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*	07 MAR 2019