

#### WUHAN HUAMEI BIOTECH CO., LTD.

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### PRECISION

Intra-assay Precision (Precision within an assay): CV%<6%

Three samples of known concentration were tested twenty times on one plate to assess.

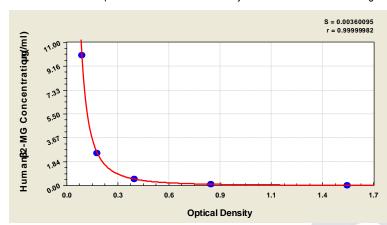
Inter-assay Precision (Precision between assays): CV%<11%

Three samples of known concentration were tested in twenty assays to assess.

	Intra-Assay Precision			Inter-Assay Precision		
Sample	1	2	3	1	2	3
n	20	20	20	20	20	20
Mean(μg /ml)	0.514	0.554	0.482	0.495	0.529	0.487
SD	0.020	0.019	0.016	0.020	0.019	0.016
CV(%)	5.364	5.198	4.139	5.364	5.198	4.139

### **TYPICAL DATA**

These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.



μg /ml	OD1	OD2	Average
10	0.093	0.095	0.094
2.5	0.171	0.187	0.179
0.5	0.391	0.379	0.385
0.1	0.823	0.799	0.811
0.025	1.555	1.575	1.565

## LOD

 $0.01 \mu g / ml$ 

# **LINEARITY**

To assess the linearity of the assay, samples were spiked with high concentrations of Human  $\beta$ 2-microglobulin(BMG/ $\beta$ 2-MG) in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.

	Sample	Serum (n=4)	
1:1	Average %	102	
1.1	Range %	98-110	
1:2	Average %	96	
	Range %	88-102	
1:4	Average %	86	
	Range %	81-96	
1:8	Average %	81	
1.0	Range %	80-85	