

Certificate of Analysis

Puman MMP-1 ELISA Kit

Catalog # MBS175893

Lot # 17717126314

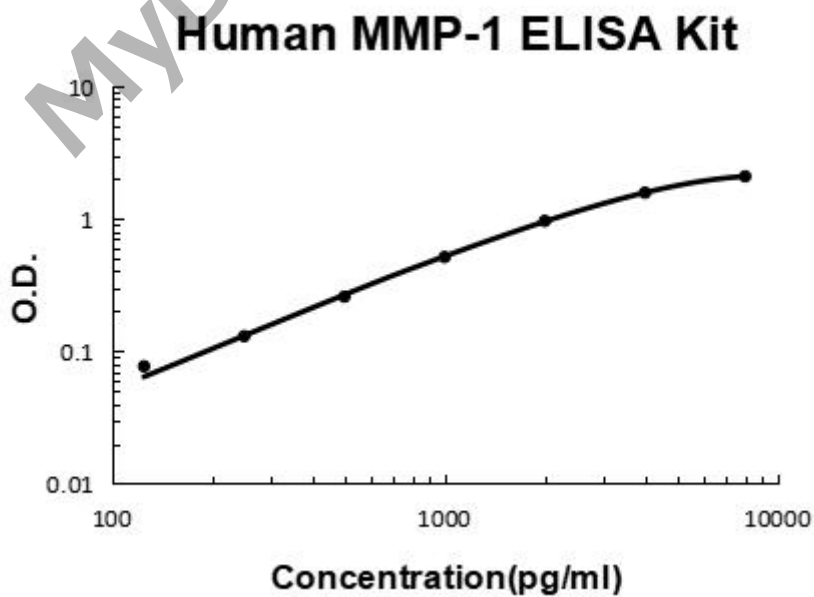
We got the following data:

1. Typical Data

The following data were obtained for the various standards over the range of 0 to 10,000 pg/ml human MMP-1.

Concentration	0	156	313	625	1250	2500	5000	10000
O.D.	0.000	0.077	0.130	0.258	0.514	0.964	1.574	2.091

Standard Curve



2. Intra-Assay Precision Samples of known human MMP-1 concentration were assayed in replicates of 16 to determine precision within an assay.

The %CV (Coefficient of Variation) of intra-assay is < 10%

3. Inter-Assay Precision Samples were assayed 48 times in multiple assays to determine precision between assays.

The %CV (Coefficient of Variation) of inter-assay is < 10%

4. Sensitivity The minimum detectable dose of human MMP-1 is <20 pg/ml. This was determined by adding two standard deviations to the mean O.D. Obtained when the zero standard was assayed 30 times.

5. Expiration Date Since the manufacture date for this kit is March 14, 2022, so, it can be stored at 4 degree for 6 months (September 13, 2022), and at -20 degree for 12 months (March 14, 2023).

Date: March 14, 2022