

**PRECISION**

**Intra-assay Precision (Precision within an assay): CV%<8%**

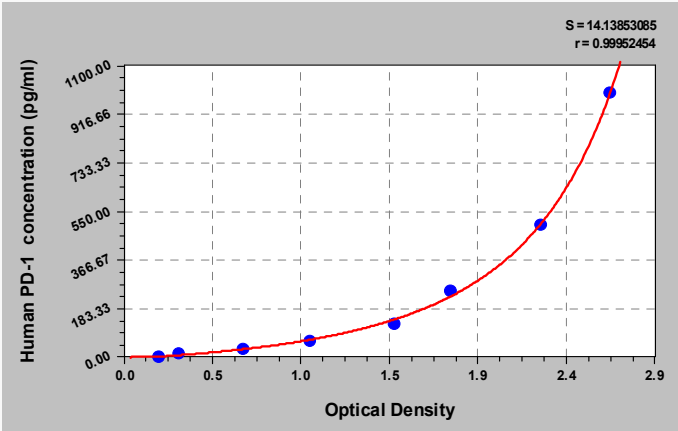
Three samples of known concentration were tested twenty times on one plate to assess.

**Inter-assay Precision (Precision between assays): CV%<10%**

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

**TYPICAL DATA**

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



| pg/ml | OD1   | OD2   | Average | Corrected |
|-------|-------|-------|---------|-----------|
| 1000  | 2.673 | 2.617 | 2.645   | 2.437     |
| 500   | 2.302 | 2.239 | 2.271   | 2.063     |
| 250   | 1.853 | 1.714 | 1.784   | 1.576     |
| 125   | 1.524 | 1.429 | 1.477   | 1.269     |
| 62.5  | 1.057 | 0.996 | 1.027   | 0.819     |
| 31.2  | 0.639 | 0.682 | 0.661   | 0.453     |
| 15.6  | 0.307 | 0.329 | 0.318   | 0.110     |
| 0     | 0.205 | 0.210 | 0.208   |           |

**LOD**

3.9pg/ml

# for research use only

## **LINEARITY**

To assess the linearity of the assay, samples were spiked with high concentrations of human PD-1 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 % | 92         |
|     | Range %   | 88-98      |
| 1:2 | Average % | 99         |
|     | Range %   | 95-104     |
| 1:4 | Average % | 95         |
|     | Range %   | 87-99      |
| 1:8 | Average % | 90         |
|     | Range %   | 86-94      |

## **RECOVERY**

The recovery of human PD-1 spiked to levels throughout the range of the assay in various matrices was evaluated. Samples were diluted prior to assay as directed in the Sample Preparation section.

| Sample Type       | Average % Recovery | Range  |
|-------------------|--------------------|--------|
| Serum (n=5)       | 100                | 96-104 |
| EDTA plasma (n=4) | 91                 | 87-95  |