

# Antibody validation Quality Control Report

Human IL-1RAP ELISA Kit 3.125-100pg/ml 1.0pg/ml  
Coating antibody: MBS9612292 Conjugated antibody: MBS2028317 Antigen: MBS2010451

## PRECISION

**Intra-assay Precision (Precision within an assay):** Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision.

**Inter-assay Precision (Precision between assays):** Three samples of known concentration were tested in six separate assays to assess inter-assay precision

Sample	Intra-Assay Precision			Inter-Assay Precision		
	1	2	3	1	2	3
n	20	20	20	6	6	6
Mean (pg/ml)	8	16	40	8	16	40
Standard deviation	0.30	0.62	1.94	0.42	0.98	2.04
CV (%)	3.75	3.87	4.85	5.25	6.12	5.1

## RECOVERY

The spike recovery was evaluated by spiking 3 levels of **Human IL-1RAP** into five health **Human** serum samples. The un-spiked tissue was used as blank in these experiments.

The recovery ranged from 73 % to 98 % with an overall mean recovery of 88 %.

## LINEARITY

To assess the linearity of the assay, five samples were spiked with high concentration of **Human IL-1RAP** in **Human** serum homogenate and diluted with Standard Diluent to produce samples with values within the dynamic range of the assay.

	Average(%)	Range(%)
1:2	97	85-106
1:4	89	81-98
1:8	93	85-100
1:16	96	85-105

## SAMPLE VALUES

Serum— Thirty samples from apparently healthy **Human** were evaluated for the presence of **Human IL-1RAP** in this assay.

Sample	No.	Range(pg/m)	Mean(pg/mL)
serum	30	12.45-45.55	29

## STANDARD OD VALUE

Standard	Sample Diluent / Blank	S1	S2	S3	S4	S5	S6
OD	0.051	0.105	0.175	0.298	0.516	0.918	1.865



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