

CERTIFICATE OF ANALYSIS

Cat No: KB1070

Product: PrecisionBind Human Interleukin 8 (IL-8) ELISA

Lot No: 180326

Mfg. Date: 09th March 2026

Exp. Date: 28th February 2027

Physical Parameters:

Kit Component	Visual Check	Volume Label Claim	Actual Fill Volume Claim	Remarks
Coated Plate	Polybag Seal Ok	12 x 8 wells	12 x 8 wells	Pass
Standard	Seal Crimping Ok	2 vials (lyophilized)	2 vials (lyophilized)	Pass
Biotin Conjugated Detection Antibody	Clear Solution, Seal Ok	15 ul	20 ul	Pass
Streptavidin:HRP	Seal Ok	230 ul	240 ul	Pass
Streptavidin:HRP Diluent	Clear Solution, Seal Ok	12 ml	13 ml	Pass
Assay Diluent	Clear Solution, Seal Ok	50 ml	52 ml	Pass
(20X) Wash Buffer	Clear Solution, Seal Ok	25 ml	27 ml	Pass
TMB Substrate	Seal Ok	12 ml	13 ml	Pass
Stop Solution	Clear Solution, Seal Ok	12 ml	13 ml	Pass
Plate Sealers	Ok	1	2	Pass
IFU manual	Ok	1	1	Pass

Assay Parameters:

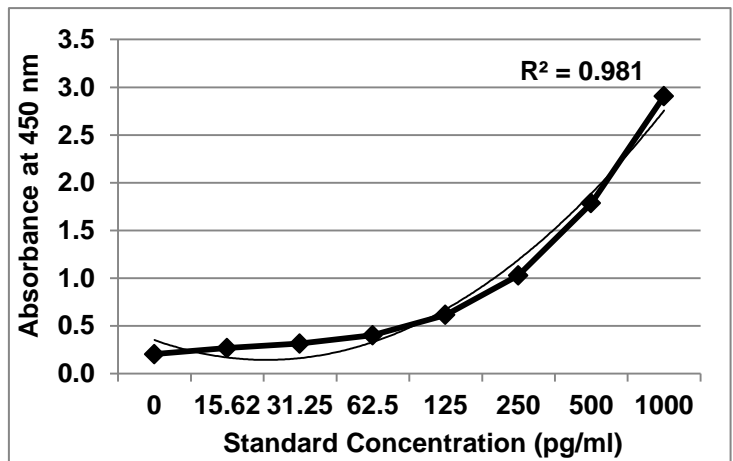
Standard Concentration (pg/ml)	Mean Absorbance	Interpolated Concentration	% Interpolated Concentration against Actual Concentration
0	0.204	--	--
15.62	0.267	15.4	98.9
31.25	0.314	32.4	103.6
62.5	0.401	60.8	97.3
125	0.615	125.9	100.7
250	1.029	249.8	99.9
500	1.785	500.0	100.0
1000	2.906	1000.0	100.0

Note-

* Abs = Absorbance at 450 nm.

The controls are run in in-house buffers.

Absorbance Results are read on ELISA plate reader
And interpreted using Graph Pad
Prism® ver8.0



The Lot is Passed.

Dr. Prairna Balyan

09-03-2026

Quality Control

Dated



REAGENT PREPARATION SHEET

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Lot No: 180326

Mfg. Date: 09th March 2026

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1. Wash Buffer (20X):

Dilution: To make Wash Buffer (1X), add 25 ml of Wash Buffer (20X) to 475 ml of DI water. This is the working solution.

2. Assay Diluent:

This is ready to use solution.

3. Recombinant Human IL-8 Standard (lyophilized, 0.6 ug/ml):

Reconstitute the lyophilized standard in 20 ul Distilled Water to get a concentration of 0.6 ug/ml.

Dilute 8.33 ul of reconstituted Standard (0.6 ug/ml) with 491.67 ul of Assay diluent to generate a 10 ng/ml middle stock solution.

Prepare the Standards stock by diluting the middle stock solution as per the below table.

Standard Concentration	Standard No	Dilution Particulars
0.6 ug/ml	Reconstituted Standard	Lyophilized Standard provided in the Kit + 20 ul Distilled water
10 ng/ml	Middle stock	8.33 ul Reconstituted Standard + 491.67 ul Assay Diluent
1000 pg/ml	Standard No.7	100 ul Middle stock + 900 ul Assay Diluent
500 pg/ml	Standard No.6	500 ul Standard No.7 + 500 ul Assay Diluent
250 pg/ml	Standard No.5	500 ul Standard No.6 + 500 ul Assay Diluent
125 pg/ml	Standard No.4	500 ul Standard No.5 + 500 ul Assay Diluent
62.5 pg/ml	Standard No.3	500 ul Standard No.4 + 500 ul Assay Diluent
31.25 pg/ml	Standard No.2	500 ul Standard No.3 + 500 ul Assay Diluent
15.62 pg/ml	Standard No.1	500 ul Standard No.2 + 500 ul Assay Diluent
0 pg/ml	Standard No.0	Only Assay diluent

4. Streptavidin:HRP Diluent:

This is ready to use solution.

5. Anti-Human IL-8 Biotin Conjugated Detection Antibody (15 ul):

Dilution: Add 5 ul of Detection Antibody solution to 2495 ul of Assay Diluent to make final volume to 2.5 ml.

6. Concentrated Streptavidin Horseradish Peroxidase (230 ul):

Dilution: Add 110 ul of Streptavidin:HRP to 4890 ul of Streptavidin:HRP Diluent to make final volume to 5 ml.

Note:

1. It is recommended due to low volumes quick-spin down the vial for its settlement at the bottom of the vial provided, before dilution.
2. Once thawed, aliquot reagent appropriately. Do not freeze thaw for more than two times.
3. All reagents should be diluted immediately prior to use.