



## Protein Standards for Mouse Interleukin ELISA Strip

Catalog Number EA-1412

(For Research Use Only)


<u>Tube</u>	<u>Protein</u>	<u>Stock Conc.</u>	<u>Volume</u>
#1	Mouse IL-1 $\alpha$	400ng/ml	10ul
#2	Mouse IL-1 $\beta$	400ng/ml	10ul
#3	Mouse IL-2	400ng/ml	10ul
#4	Mouse IL-5	400ng/ml	10ul
#5	Mouse IL-6	400ng/ml	10ul
#6	Mouse IL-10	400ng/ml	10ul
#7	Mouse IL-15	400ng/ml	10ul
#8	Mouse IL-17a	400ng/ml	10ul

### Preparation of protein standard dilutions

1. Add 200ul of Diluent buffer the wells of the first strip, and add 100ul of Diluent buffer to the wells of the rest strips according to the following table.
2. Add appropriate amount of protein standards to the first strip according to the table 1.
3. Use multi-channel pipette to mix the dilutions and transfer 100ul to the next dilution wells.
4. Repeat the transfer until 5<sup>th</sup> strip. Trash 100ul from 5<sup>th</sup> strip after mixing. Do not transfer to the 6<sup>th</sup> Strip

**Note:** Substrate incubation time may vary due to different antibodies reactivity. Stronger signals (Strong blue color) could be stopped early after 5 minutes. Weaker signals should be incubated for 10-30 minutes. Always stop protein standards along with samples from the same row at the same time.

**Table 1: Dilution of protein standards**



<u>Protein</u>	<u>Added to 1st Strip</u>	<u>1st Strip</u>	<u>2nd Strip</u>	<u>3rd Strip</u>	<u>4th Strip</u>	<u>5th Strip</u>	<u>6th Strip</u>
Mouse IL-1a	4 $\mu$ l	200ul	100ul	100ul	100ul	100ul	100ul
Mouse IL-1b	4 $\mu$ l	200ul	100ul	100ul	100ul	100ul	100ul
Mouse IL-2	4 $\mu$ l	200ul	100ul	100ul	100ul	100ul	100ul
Mouse IL-5	4 $\mu$ l	200ul	100ul	100ul	100ul	100ul	100ul
Mouse IL-6	4 $\mu$ l	200ul	100ul	100ul	100ul	100ul	100ul
Mouse IL-10	4 $\mu$ l	200ul	100ul	100ul	100ul	100ul	100ul
Mouse IL-15	4 $\mu$ l	200ul	100ul	100ul	100ul	100ul	100ul
Mouse IL-17a	4 $\mu$ l	200ul	100ul	100ul	100ul	100ul	100ul
			<b>1:2</b>	<b>1:4</b>	<b>1:8</b>	<b>1:16</b>	<b>Blank</b>

**Table 2: Concentrations of Protein Standard Dilutions**

<b><u>Protein</u></b>	<b><u>Added to 1<sup>st</sup> Strip</u></b>	<b><u>1:2</u></b>	<b><u>1:4</u></b>	<b><u>1:8</u></b>	<b><u>1:16</u></b>	<b><u>Blank</u></b>
Mouse IL-1a	8ng/ml	4ng/ml	2ng/ml	1ng/ml	0.5ng/ml	Blank
Mouse IL-1b	8ng/ml	4ng/ml	2ng/ml	1ng/ml	0.5ng/ml	Blank
Mouse IL-2	8ng/ml	4ng/ml	2ng/ml	1ng/ml	0.5ng/ml	Blank
Mouse IL-5	8ng/ml	4ng/ml	2ng/ml	1ng/ml	0.5ng/ml	Blank
Mouse IL-6	8ng/ml	4ng/ml	2ng/ml	1ng/ml	0.5ng/ml	Blank
Mouse IL-10	8ng/ml	4ng/ml	2ng/ml	1ng/ml	0.5ng/ml	Blank
Mouse IL-15	8ng/ml	4ng/ml	2ng/ml	1ng/ml	0.5ng/ml	Blank
Mouse IL-17a	8ng/ml	4ng/ml	2ng/ml	1ng/ml	0.5ng/ml	Blank