

## Certificate of Analysis

### Tetanus Toxoid

<b>Catalog Number:</b>	1002
<b>Lot Number :</b>	4281AP19
<b>Volume:</b>	1 ml per vial
<b>Protein concentration:</b>	100 - 110 ug/mL
<b>Sterility:</b>	Negative for yeast bacteria and fungi
<b>Storage:</b>	Store at -70°C. Thaw prior to use, keep at 4°C. <b>DO NOT REFREEZE</b>
<b>Sample Preparation:</b>	The product is a suspension that will settle due to gravity. Mix well by pipetting immediately prior to use. Do not vortex.
<b>Note:</b>	This preparation includes alum. It is suitable for <i>in vitro</i> stimulation of immune cells but may not be suitable for other uses.

### Lot Performance

#### IFN- $\gamma$ secretion

Tetanus Toxoid concentration	IFN $\gamma$ (Donor 1)	IFN $\gamma$ (Donor 2)
0	0	2
0.1 ug/mL	838	3
0.3 ug/mL	3324	14
1.0 ug/mL	3903	30
3 ug/mL	4789	26

IFN $\gamma$  values are in pg/mL. Culture medium was collected 4 days after PBMC stimulation with indicated concentrations of tetanus toxoid.

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