

## Certificate of Analysis

### Tetanus Toxoid

<b>Catalog Number:</b>	1002
<b>Lot Number :</b>	3996AU18
<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 $-70^{\circ}\text{C}$ . Thaw prior to use, keep at $4^{\circ}\text{C}$ . <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 concentration	IFN $\gamma$
0	7
0.3 ug/mL	14401
1.0 ug/mL	16997
3 ug/mL	>26600

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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