To whom it may concern,

This letter attests that Mouse TNF Alpha ELISA Kit, catalog # EK0527, Lot # (this is SAMPLE COA) is manufactured by Boster Biological Technology, Ltd; through test and assay, we got the following data:

## 1. Typical Data

The following data were obtained for the various standards over the range of 15.6pg/ml-1000pg/ml(cellculturesupernates)7.8pg/ml-500pg/ml(mouseserumplasma) Mouse TNF Alpha , plus the blank well.

<table>
<thead>
<tr>
<th>Concentration(pg/ml)</th>
<th>0</th>
<th>15.6</th>
<th>31.2</th>
<th>62.5</th>
<th>125</th>
<th>250</th>
<th>500</th>
<th>1000</th>
</tr>
</thead>
<tbody>
<tr>
<td>O.D.</td>
<td>0.028</td>
<td>0.090</td>
<td>0.156</td>
<td>0.281</td>
<td>0.543</td>
<td>0.923</td>
<td>1.484</td>
<td>2.258</td>
</tr>
</tbody>
</table>

### Standard Curve

![Standard Curve for Mouse TNFα ELISA Kit](image-url)
2. **Intra-Assay Precision** Samples of known Mouse TNF Alpha concentration were assayed in replicates of 16 to determine precision within an assay.

   The %CV (Coefficient of Variation) of intra-assay is < 10%

3. **Inter-Assay Precision** Samples were assayed 48 times in multiple assays to determine precision between assays.

   The %CV (Coefficient of Variation) of inter-assay is < 10%

4. **Sensitivity** The minimum detectable dose of Mouse TNF Alpha is <1pg/ml. This was determined by adding two standard deviations to the mean O.D. Obtained when the zero standard was assayed 30 times.

5. **Expiration Date** Since the manufacture date for this kit is May 13, 2016, so, it can be stored at 4 degree for 6 months (November 13, 2016), and at -20 degree for 8 months (May 13, 2017). Note: these dates are demo data and not corresponding to the lot you are going to purchase. To get the COA for your particular lot, please contact us at support@bosterbi.com

Approved by:

Ms. Yangjing Yue Chief technician

Quality Control System of ELISA

Date: May 13, 2016