To whom it may concern,

This letter attests that Rat TNF Alpha ELISA Kit, catalog # EK0526, 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(serumplasma) Rat 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>0.010</td>
<td>0.062</td>
<td>0.132</td>
<td>0.203</td>
<td>0.555</td>
<td>0.884</td>
<td>1.738</td>
<td>2.267</td>
</tr>
</tbody>
</table>

**Standard Curve**

![Rat TNFα ELISA Kit](image)
2. **Intra-Assay Precision** Samples of known Rat 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 Rat TNF Alpha is < 1 pg/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