Datasheet: PHP050

BATCH NUMBER 162284

<table>
<thead>
<tr>
<th>Description:</th>
<th>RECOMBINANT HUMAN INTERFERON GAMMA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name:</td>
<td>IFN GAMMA</td>
</tr>
<tr>
<td>Other names:</td>
<td>INTERFERON GAMMA</td>
</tr>
<tr>
<td>Format:</td>
<td>Rec. Protein</td>
</tr>
<tr>
<td>Product Type:</td>
<td>Recombinant Protein</td>
</tr>
<tr>
<td>Quantity:</td>
<td>0.1 mg</td>
</tr>
</tbody>
</table>

Product Details

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

<table>
<thead>
<tr>
<th>Applications</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELISA</td>
<td>-</td>
<td></td>
<td></td>
<td>0.2 - 0.4ng/well</td>
</tr>
<tr>
<td>Western Blotting</td>
<td>-</td>
<td></td>
<td></td>
<td>1.5 - 3.0ng/lane</td>
</tr>
<tr>
<td>Functional Assays</td>
<td>-</td>
<td></td>
<td></td>
<td>0.1 - 10ng/ml</td>
</tr>
</tbody>
</table>

Where this protein has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the reagent for use in their own system using appropriate positive/negative controls.

<table>
<thead>
<tr>
<th>Target Species</th>
<th>Human</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Form</td>
<td>Recombinant protein produced in <em>E. coli</em> - lyophilized.</td>
</tr>
</tbody>
</table>

Reconstitution

Reconstitute with 0.1 ml distilled water
Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution.

<table>
<thead>
<tr>
<th>Buffer Solution</th>
<th>Sodium Phosphate</th>
</tr>
</thead>
</table>

Preservative Stabilisers

None present

Carrier Free

Yes

Endotoxin Level

< 0.1 ng/ug
### Approx. Protein Concentrations
Total protein concentration 1.0 mg/ml after reconstitution

### External Database Links
**UniProt:**
- P01579  
  [Related reagents](#)

**Entrez Gene:**
- 3458  
  IFNG  
  [Related reagents](#)

### Product Information
IFN-gamma is a lymphoid factor with anti viral activity and macrophage and NK cell stimulating properties.

### Protein Molecular Weight
16.7kD (143 Amino Acid Sequence)

### Activity
> 2 x 10^7 units/mg

### Purity
>98% by SDS PAGE and HPLC

### ELISA
PHP050 may be used in ELISA applications with either AHP775 or AHP775B.

### Western Blotting
PHP050 may be used under reducing or non-reducing western blotting conditions with either AHP775 or AHP775B.

### References

### Storage
Prior to reconstitution store at -20°C. Following reconstitution store at -20°C.

This product should be stored undiluted.

Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the protein. Should this product contain a precipitate we recommend microcentrifugation before use.

### Guarantee
Guaranteed for 3 months from the date of reconstitution or until the date of expiry, whichever comes first. Please see label for expiry date.

### Health And Safety
Material Safety Datasheet documentation #10527 available at:
Related Products

**Recommended Useful Reagents**

**RABBIT ANTI HUMAN INTERFERON GAMMA (AHP775)**
**RABBIT ANTI HUMAN INTERFERON GAMMA:Biotin (AHP775B)**