Datasheet: PHP050

BATCH NUMBER 162668

**Product Details**

**Applications**

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>Application</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>
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<tr>
<td>Functional Assays</td>
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<td>0.1 - 10ng/ml</td>
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</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.

**Target Species**

Human

**Product Form**

Recombinant protein produced in *E. coli* - lyophilized.

**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.

**Buffer Solution**

Sodium Phosphate

**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)