Datasheet: PDP010

**Description:** RECOMBINANT DOG INTERFERON GAMMA

**Name:** IFN GAMMA

**Other names:** IFNG

**Format:** Rec. Protein

**Product Type:** Recombinant Protein

**Quantity:** 5 µg

### 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>Suggested Dilution</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELISA</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Western Blotting</td>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>

Where this product 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 product for use in their own system using appropriate negative/positive controls.

**Target Species**

Dog

**Product Form**

Purified recombinant protein - lyophilized

**Reconstitution**

Reconstitute with 20 µl sterile PBS containing 0.1% carrier protein. 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.

**Preparation**

Recombinant protein expressed in *Pichia pastoris* and purified by ion-exchange chromatography

**Buffer Solution**

Phosphate buffered saline

**Preservative Stabilisers**

10% Trehalose

**External Database Links**

- **UniProt:** [P51742](https://www.uniprot.org/uniprot/P51742)
- **Entrez Gene:** [403922](https://www.ncbi.nlm.nih.gov/gene/403922) TNF

**Synonyms**

- TNFA, TNFSF2

**Product Information**

Recombinant Dog interferon gamma, (IFNy), known previously as macrophage activating factor,

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belongs to the type II interferon family and is produced by T lymphocytes and NK cells.

Native dog interferon gamma is a 166 amino acid cytokine with potent activating, anti-viral and anti-proliferative properties.

IFNγ is predominantly secreted by activated T lymphocytes in response to specific mitogens as a result of infection and has numerous immunological regulatory functions. Properties include macrophage and NK cell activation, upregulation of MHC class I and II molecules on various cells and induction of cytotoxicity.

<table>
<thead>
<tr>
<th>Protein Molecular Weight</th>
<th>16.7 kDa</th>
</tr>
</thead>
<tbody>
<tr>
<td>Purity</td>
<td>&gt;95% by SDS PAGE analysis</td>
</tr>
<tr>
<td>ELISA</td>
<td>This reagent may be used as a standard in a sandwich ELISA assay in conjunction with AHP2977 as a coating antibody and AHP2977B as a detection antibody.</td>
</tr>
<tr>
<td>Storage</td>
<td>Prior to reconstitution store at -20°C. After reconstitution store at -20°C. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the protein.</td>
</tr>
<tr>
<td>Guarantee</td>
<td>12 months from date of despatch</td>
</tr>
<tr>
<td>Regulatory</td>
<td>For research purposes only</td>
</tr>
</tbody>
</table>