

## Datasheet: PDP010

<b>Description:</b>	RECOMBINANT DOG INTERFERON GAMMA
<b>Name:</b>	IFN GAMMA
<b>Other names:</b>	IFNG
<b>Format:</b>	Rec. Protein
<b>Product Type:</b>	Recombinant Protein
<b>Quantity:</b>	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).

	Yes	No	Not Determined	Suggested Dilution
ELISA	▪			
Western Blotting	▪			

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.

<b>Target Species</b>	Dog
<b>Product Form</b>	Purified recombinant protein - lyophilized
<b>Reconstitution</b>	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.
<b>Preparation</b>	Recombinant protein expressed in <i>Pichia pastoris</i> and purified by ion-exchange chromatography
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	10% Trehalose
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P51742</a>   <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">403922</a>   TNF   <a href="#">Related reagents</a></p>
<b>Synonyms</b>	TNFA, TNFSF2
<b>Product Information</b>	<b>Recombinant Dog interferon gamma</b> , (IFN $\gamma$ ), known previously as macrophage activating factor,

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.

IFN $\gamma$  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.

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<b>Protein Molecular Weight</b>	16.7 kDa
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<b>Purity</b>	>95% by SDS PAGE analysis
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<b>ELISA</b>	This reagent may be used as a standard in a sandwich ELISA assay in conjunction with <a href="#">AHP2977</a> as a coating antibody and <a href="#">AHP2977B</a> as a detection antibody.
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<b>Storage</b>	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.
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<b>Guarantee</b>	12 months from date of despatch
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10591 available at: 10591: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10591.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10591.pdf</a>
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<b>Regulatory</b>	For research purposes only
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