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.

	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.

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 Related reagents

Entrez Gene:
403922 TNF Related reagents

Synonyms

TNFA, TNFSF2

Product Information

Recombinant Dog interferon gamma, (IFNγ), 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.

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.

Protein Molecular Weight	16.7 kDa
Purity	>95% by SDS PAGE analysis
ELISA	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.
Storage	Prior to reconstitution store at -20ºC. After reconstitution store at -20ºC. 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.
Shelf Life	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10591 available at: 10591: https://www.bio-rad-antibodies.com/uploads/MSDS/10591.pdf
Regulatory	For research purposes only

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