

## Datasheet: PDP009

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|----------------------|---------------------------|
| <b>Description:</b>  | RECOMBINANT DOG IFN ALPHA |
| <b>Name:</b>         | IFN ALPHA                 |
| <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<br>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>Source</b>                   | <i>Pichia pastoris</i>   |
| <b>Buffer Solution</b>          | Phosphate buffered saline  |
| <b>Preservative Stabilisers</b> | 10% Trehalose  |

**Product Information** **Recombinant Dog interferon alpha (IFN $\alpha$ )** is a recombinant protein of approximately 19.0 kDa corresponding to a 164 amino acid sequence from native canine IFN $\alpha$ .

Canine IFN $\alpha$  is a type I interferon belonging to the alpha/beta interferon family. IFN $\alpha$  is produced by macrophages and involved in defence against viral infections.

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|                                 |          |
|---------------------------------|----------|
| <b>Protein Molecular Weight</b> | 19.0 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="#">AHP2976</a> as a coating antibody and <a href="#">AHP2976B</a> as a detection antibody. |
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| <b>Storage</b> | Prior to reconstitution store at -20°C.<br>After reconstitution store at -20°C.<br>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: <a href="https://www.bio-rad-antibodies.com/SDS/PDP00910591">https://www.bio-rad-antibodies.com/SDS/PDP00910591</a> |
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|-------------------|----------------------------|
| <b>Regulatory</b> | For research purposes only |
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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)  
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