

## Datasheet: 2329-9907

<b>Description:</b>	MOUSE ANTI HUMAN CORTICOTROPHIN RELEASING FACTOR
<b>Specificity:</b>	CORTICOTROPHIN RELEASING FACTOR
<b>Other names:</b>	CORTICOLIBERIN, CRF
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	4H9
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	0.2 mg

## 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
Immunohistology - Frozen	▪			
Immunohistology - Paraffin (1)	▪			1/100 - 1/7000
ELISA	▪			
Immunofluorescence	▪			

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.

**(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose. Enzyme digestion with 0.1% trypsin may also be necessary.**

<b>Target Species</b>	Human
<b>Product Form</b>	Purified Ig - liquid
<b>Preparation</b>	Purified Ig prepared by affinity chromatography on Protein G
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	1mg/ml
<b>Immunogen</b>	Corticotrophin Releasing Factor conjugated to Bovine Serum Albumin.

**External Database  
Links**

**UniProt:**

[P06850](#) [Related reagents](#)

**Entrez Gene:**

[1392](#) CRH [Related reagents](#)

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**Specificity**

**Mouse anti Human Corticotrophin Releasing Factor antibody, clone 4H9** recognizes human corticotrophin releasing factor (CRF), a hormone found mainly in the hypothalamus that regulates the release of corticotrophin from the pituitary gland.

The unique lysine residue (Lys-36) is likely to be involved in the antigenic determinant as lysine modification by CA blocks binding completely. Human serum, containing CRF-binding protein, also inhibits the binding of this antibody to CRF.

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**Affinity**

Averages 10(e)-9 M with native and modified CRF.

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**References**

1. Kravchenko, I. V. & Furaev, V. A. (1994) Monoclonal antibodies directed against two different corticotropin-releasing factor determinants. [Hybridoma. 13\(1\): 59-64.](#)
2. De Bellis, A. *et al.* (2012) Involvement of Hypothalamus Autoimmunity in Patients with Autoimmune Hypopituitarism: Role of Antibodies to Hypothalamic Cells. [J Clin Endocrinol Metab. 97: 3684-3690.](#)

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**Storage**

Store at +4°C or at -20°C if preferred.  
Storage in frost-free freezers is not recommended.  
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

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**Shelf Life**

18 months from date of despatch.

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**Health And Safety  
Information**

Material Safety Datasheet Documentation #10040 available at:  
<https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

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**Regulatory**

For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	<a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR13...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (Fc) (STAR120...)	<a href="#">FITC</a> , <a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR8...)	<a href="#">DyLight@800</a>
Goat Anti Mouse IgG (STAR76...)	<a href="#">RPE</a>
Rabbit Anti Mouse IgG (STAR12...)	<a href="#">RPE</a>
Goat Anti Mouse IgG IgA IgM (STAR87...)	<a href="#">Alk. Phos.</a> , <a href="#">HRP</a>
Goat Anti Mouse IgG (H/L) (STAR117...)	<a href="#">Alk. Phos.</a> , <a href="#">DyLight@488</a> , <a href="#">DyLight@549</a> , <a href="#">DyLight@649</a> , <a href="#">DyLight@680</a> , <a href="#">DyLight@800</a> , <a href="#">FITC</a> , <a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR9...)	<a href="#">FITC</a>
Human Anti Mouse IgG1 (HCA036...)	<a href="#">HRP</a>

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