Datasheet: 2329-9907

Description:	MOUSE ANTI HUMAN CORTICOTROPHIN RELEASING FACTOR
Specificity:	CORTICOTROPHIN RELEASING FACTOR
Other names:	CORTICOLIBERIN, CRF
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	4H9
Isotype:	IgG1
Quantity:	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.

	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.**

Target Species	Human
Product Form	Purified Ig - liquid
Preparation	Purified Ig prepared by affinity chromatography on Protein G from ascites
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	<0.1% Sodium Azide (NaN_3)

Approx. Protein Concentrations	1mg/ml
Immunogen	Corticotrophin Releasing Factor conjugated to Bovine Serum Albumin.
External Database Links	**UniProt:** P06850 Related reagents **Entrez Gene:** 1392 CRH Related reagents
RRID	AB_620120
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.
Affinity	Averages 10(e)-9 M with native and modified CRF.
References	1. Kravchenko, I. V. & Furalev, V. A. (1994) Monoclonal antibodies directed against two different corticotropin-releasing factor determinants. Hybridoma. 13(1): 59-64. 2. DeBellis, A. *et al.* (2012) Involvement of hypothalamus autoimmunity in patients with autoimmune hypopituitarism: role of antibodies to hypothalamic cells. J Clin Endocrinol Metab. 97 (10): 3684-90.
Storage	This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C. Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/2329-9907 10040
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos., DyLight®488, DyLight®550, DyLight®650, DyLight®680, DyLight®800, FITC, HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC, HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL (MCA928)

North & South America Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com

Worldwide Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com

Europe Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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