



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Mouse Anti-Human Corticotropin Releasing Factor With HRP-conjugated Secondary Antibody

Catalog No.
DS-MB-01054

Target Species
Human

Isotype
IgG1

Preparation

Purified IgG prepared by affinity chromatography on Protein G

Immunogen: Corticotrophin Releasing Factor conjugated to Bovine Serum Albumin

Formulation

Product Form: Purified Ig - liquid

Product Type: Monoclonal Antibody

Buffer Solution: Phosphate buffered saline

Preservative Stabilizers: 0.09% Sodium Azide (NaN_3)

Approx. Protein Concentrations: 1mg/ml

Specificity

DS-MB-01055 is specific for 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.

Storage

Store at $+4^{\circ}\text{C}$ or at -20°C if preferred.

Storage in frost-free freezers is not recommended.

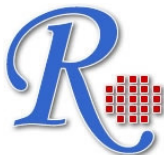
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life: 18 months from date of dispatch.

References

1. Kravchenko, I. V. & Furalev, V. A. (1994) Monoclonal antibodies directed against two different corticotropin-releasing factor determinants Hybridoma 13: 59 -64

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**



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Applications

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Immunohistology - Frozen	•			
Immunohistology - Paraffin(1)	•			1/100 - 1/7000
Immunohistology - Resin			•	
Western Blotting			•	
ELISA	•			

Note: Other applications have not been tested. Optimal dilutions should be determined.

(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.

Secondary Antibody Applications

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Immunoassay (ELISA, Western blot)	•			1:5000-1:10000

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