

Product datasheet for **BM357**

Corticotropin Releasing Factor (CRH) Mouse Monoclonal Antibody [Clone ID: 4H9]

Product data:

Product Type:	Primary Antibodies
Clone Name:	4H9
Applications:	ELISA, IHC
Recommended Dilution:	<u>Immunohistochemistry on Frozen sections.</u> <u>Immunohistochemistry on Paraffin sections:</u> 1/100 - 1/7000; Microwave pretreatment is required. Enzyme digestion with 0.1% trypsin may also be necessary. <u>ELISA:</u> This antibody is suitable for use in a sandwich ELISA with clone 5D5 (BM356).
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Corticotropin Releasing Factor conjugated to Bovine Serum Albumin.
Specificity:	This antibody is specific for corticotropin releasing factor (CRF), a hormone found mainly in the hypothalamus that regulates the release of corticotropin 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.
Formulation:	PBS containing 0.09% Sodium Azide State: Purified State: Liquid purified IgG
Concentration:	lot specific
Purification:	Affinity chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	corticotropin releasing hormone



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Database Link: [Entrez Gene 1392 Human P06850](#)

Background: CRF precursor is a 41-amino acid peptide derived from a 196-amino acid preprohormone. CRF is a neuroendocrine hormone secreted by the paraventricular nucleus (PVN) of the hypothalamus and is a key player in the hypothalamic pituitary adrenal axis. It is also synthesized in peripheral tissues, such as T lymphocytes and is highly expressed in the placenta. Neuronal CRF is important in a variety of diverse roles including, memory, depression, stress, kidney function, parturition, metabolism and feeding (to mention a few).

Synonyms: CRF, CRH, Corticotropin-Releasing Hormone, Corticotropin-Releasing Factor