

## DESCRIPTION

|                           |                                                                                                                                                                                                                                                                                                                                  |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species Reactivity</b> | Human                                                                                                                                                                                                                                                                                                                            |
| <b>Specificity</b>        | Detects human CRHR-1 transfectants but not irrelevant transfectants.                                                                                                                                                                                                                                                             |
| <b>Source</b>             | Monoclonal Mouse IgG <sub>2A</sub> Clone # 343919                                                                                                                                                                                                                                                                                |
| <b>Purification</b>       | Protein A or G purified from hybridoma culture supernatant                                                                                                                                                                                                                                                                       |
| <b>Immunogen</b>          | NS0 mouse myeloma cell line transfected with human CRHR-1<br>Ser24-Val415<br>Accession # NP_004373                                                                                                                                                                                                                               |
| <b>Conjugate</b>          | Alexa Fluor 488<br>Excitation Wavelength: 488 nm<br>Emission Wavelength: 515-545 nm                                                                                                                                                                                                                                              |
| <b>Formulation</b>        | Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details.<br><br>*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions. |

## APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

|                       | <b>Recommended Concentration</b> | <b>Sample</b>                        |
|-----------------------|----------------------------------|--------------------------------------|
| <b>Flow Cytometry</b> | 0.25-1 µg/10 <sup>6</sup> cells  | Human CRHR-1 transfected Ba/F3 cells |

## PREPARATION AND STORAGE

|                                |                                                                                                                   |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Shipping</b>                | The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below. |
| <b>Stability &amp; Storage</b> | <b>Protect from light. Do not freeze.</b><br>● 12 months from date of receipt, 2 to 8 °C as supplied.             |

## BACKGROUND

Corticotrophin-Releasing Hormone Receptor 1 (CRHR-1), also known as CRFR-1, is a 7TM protein that belongs to the G protein-coupled receptor family 2. CRHR-1 is expressed in the brain and adrenal gland where it mediates corticotropin-induced effects on anxiety, depression, and stress-associated pathologies. The immunogen for this antibody corresponds to one of the four alternately spliced forms and has a 29 amino acid deletion in the first cytoplasmic domain. Human CRHR-1 shares 97% amino acid sequence identity with mouse and rat CRHR-1.

## PRODUCT SPECIFIC NOTICES

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