

## 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 Ser24-Val415 Accession # NP_004373
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details.

## 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>	2.5 µg/10 <sup>6</sup> cells	Human CRHR-1 transfected Ba/F3 cells
<b>Immunohistochemistry</b>	8-25 µg/mL	Immersion fixed paraffin-embedded sections of human placenta

## PREPARATION AND STORAGE

<b>Reconstitution</b>	Reconstitute at 0.5 mg/mL in sterile PBS.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	<p><b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b></p> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>● 1 month from date of receipt, 2 to 8 °C, reconstituted.</li> <li>● 6 months from date of receipt, -20 to -70 °C, reconstituted.</li> </ul>

## 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.