

Alternate Names	CRHR2, CRF-RB, CRF2, HM-CRF
Isotype	IgG2a
Conjugate	Unconjugated
Background	Human corticotropin-releasing hormone receptor 2 (CRFR2), is a 7-transmembrane G protein-coupled receptor (GPCR). CRFR2 is a Class B GPCR that binds corticotropin-releasing hormone (CRH) to promote the activation of adenylate cyclase, leading to increased intracellular cAMP levels. It has been found that CRFR2 is a critical component of a pathway necessary for tonic inhibition of adult neovascularization, making CRFR2 a potential therapeutic target for modulation of angiogenesis in cancer and ischaemic cardiovascular disease. Human CRFR2 protein has >90% sequence homology with mouse CRFR2.

Product Details

Specificity	Detects human and mouse corticotropin-releasing hormone receptor 2/CRFR2 transfectants but not irrelevant transfectants in flow cytometry.
Antibody Type	Monoclonal antibody
Host Species	Mouse
Immunogen	CRFR2 N-terminus extracellular domain, the exact sequence of the immunogen is proprietary.; UniProt # Q13324
Formulation / Storage buffer	0.22µm filtered PBS, pH 7.4
Shipping	Frozen Dry Ice
Purification	Affinity Enrichment
Stability & Storage	On receipt, store at -70 C or lower for long term storage. This product is stable at: -70 C for 6 months from date of receipt. Avoid repeated freeze-thaw cycles

Verified Application

ELISA, Flow cytometry

Recommended Usage

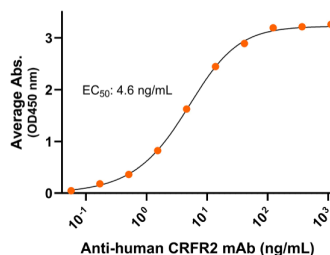
ELISA: starting concentration 1 µg/mL
 Flow cytometry: 0.8 µg/1E6 cells

Bioactive Data, Detection of Antigen by:

ELISA

Anti-human CRFR2 Monoclonal Antibody, ELISA

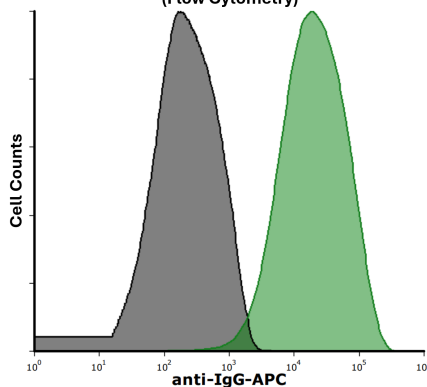
0.2µg of CRFR2 protein per well



Immobilized human CRFR2 fragment at 2 µg/mL (100 µL/well) can bind mouse Anti-CRFR2 Monoclonal Antibody (Cat. No. CABh-25328) with half maximal effective concentration (EC50) range of 2.3-9.2 ng/mL (QC tested).

Flow Cytometry

mAb binding CRFR2 expressing live cells (Flow Cytometry)



Detection of human CRFR2 expressed on HEK293 cell surface transiently transfected with full-length human CRFR2 by Flow Cytometry. HEK293 cell line transfected with human CRFR2 was stained with isotype control (black curve) or mouse Anti-CRFR2 Monoclonal Antibody (Cat. No. CABh-25328) (green curve) by APC-conjugated Anti-Mouse IgG Secondary Antibody.

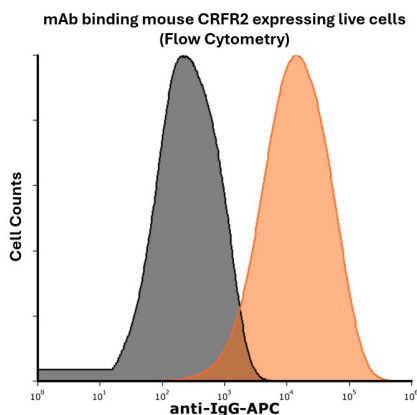
Anti-CRFR2 Monoclonal Antibody

Product Code: CABh-25328

Clone: 2F1-H4

For Research Use Only (RUO)

Flow Cytometry



Detection of mouse CRFR2 expressed on HEK293 cell surface transiently transfected with full-mouse CRFR2 by Flow Cytometry. HEK293 cell line transfected with mouse CRFR2 was stained with isotype control (black curve) or mouse Anti-CRFR2 Monoclonal Antibody (Cat. No. CABh-25328) (green curve) by APC-conjugated Anti-Mouse IgG Secondary Antibody.

Antigen Details

Structure	7-transmembrane protein, G protein-coupled receptor (GPCR)
Function	determines tissue vascularization
Ligand / Receptor	corticotropin-releasing hormone (CRH)
Cell Type	Multiple cell types including neurons, endothelial and smooth muscle cells
Molecular Family	G protein-coupled receptor
Gene ID	Q13324