

## Product Datasheet

## Anti-Alpha-2C Adrenergic Receptor Antibody FL550 Conjugate



## Overview

<b>Catalog #</b>	75-302-FL550
<b>Conjugate</b>	FL550 Ex: 550 nm, Em: 575 nm
<b>Isotype</b>	IgG1
<b>Clone Number</b>	N330A/80
<b>Size</b>	200 $\mu$ L
<b>Concentration</b>	0.5 mg/mL
<b>Host Species</b>	Mouse Monoclonal
<b>Format</b>	Purified by Protein A chromatography
<b>Buffer</b>	PBS with 0.09% azide
<b>Applications</b>	ICC, IHC
<b>Species Reactivity</b>	Human and Mouse
<b>Immunogen</b>	Synthetic peptide amino acids 442-462 (QDFRRSFKHILFRRRRRGFRQ, cytoplasmic C-terminus) of human Alpha-2C adrenergic receptor (accession number P18825)
<b>Molecular Weight</b>	50 kDa and larger (possibly due to dimerization)
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-302-FL550, RRID: AB_2940057

## Details

<b>Target Description</b>	$\alpha$ -2C adrenergic receptor or $\alpha$ -2 Adrenergic Receptor Subtype C4 is encoded by the gene ADRA2C. It belongs to the Adrenergic receptor subfamily of G-protein coupled receptors. $\alpha$ -2C adrenergic receptors mediate catecholamine-induced inhibition of adenylate cyclase by the action of G proteins. $\alpha$ -2C adrenergic is involved in the regulation of neurotransmitter release from sympathetic nerves and adrenergic neurons. $\alpha$ -2C adrenergic receptors are expressed in brain, kidney and heart. Diseases associated with ADRA2C include Raynaud Phenomenon.
<b>Specificity</b>	Does not cross-react with other adrenergic receptors (based on KO validation results)
<b>Purification Method</b>	Produced by in vitro bioreactor culture of hybridoma line followed by Protein A affinity chromatography and conjugation of purified mAb. Purified mAbs are >90% specific antibody.
<b>Quality Control Tests</b>	Each new lot of antibody is quality control tested on cells overexpressing target protein and confirmed to give the expected staining pattern.

**Storage**

Aliquot and store at  $\leq -20^{\circ}\text{C}$  for long term storage. For short term storage, store at  $2-8^{\circ}\text{C}$ . For maximum recovery of product, centrifuge the vial prior to removing the cap.

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