

# Human $\alpha$ -1 Adrenergic R/ADRA1A Alexa Fluor® 700-conjugated Antibody

Monoclonal Mouse IgG<sub>1</sub> Clone # 518508

Catalog Number: FAB10298N

100  $\mu$ g

## DESCRIPTION

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human $\alpha$ -1 Adrenergic R/ADRA1A in direct ELISAs.
<b>Source</b>	Monoclonal Mouse IgG <sub>1</sub> Clone # 518508
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	HEK293 human embryonic kidney cell line transfected with human $\alpha$ -1 Adrenergic R/ADRA1A Accession # P35348
<b>Conjugate</b>	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
<b>Formulation</b>	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide.  *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 $\mu$ g/10 <sup>6</sup> cells	HEK293 Human Cell Line Transfected with Human $\alpha$ -1 Adrenergic R/ADRA1A and eGFP

## 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> <ul style="list-style-type: none"> <li>12 months from date of receipt, 2 to 8 °C as supplied.</li> </ul>

## BACKGROUND

ADRA1A (formerly known as alpha 1-C adrenergic receptor) is an alpha-adrenergic receptor which is mediated by G(q) and G(11) proteins. Alpha-1 Adrenoreceptors play an important role in mediating human prostatic smooth muscle contraction. Antagonists of ADRA1A include tamsulosin and silodosin which treat benign prostatic hyperplasia.

## PRODUCT SPECIFIC NOTICES

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