

#### DESCRIPTION

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human AGTR-2. Stains human AGTR-2-transfected cells but not irrelevant transfectants.
<b>Source</b>	Monoclonal Mouse IgG <sub>2B</sub> Clone # 364805
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	HEK293 human embryonic kidney cell line transfected with human AGTR-2 Met1-Ser363 Accession # P50052
<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. See Certificate of Analysis for details.  *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.

	Recommended Concentration	Sample
<b>Flow Cytometry</b>	0.25-1 µg/10 <sup>6</sup> cells	Human AGTR-2 transfected NS0 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> <ul style="list-style-type: none"> <li>12 months from date of receipt, 2 to 8 °C as supplied.</li> </ul>

#### BACKGROUND

AGTR-2, also known as AT<sub>2</sub>, is a 7-transmembrane protein that belongs to family 1 of G protein-coupled receptors. Both AGTR-2 and AGTR-1 bind Angiotensin II and function in the control of hemodynamics. In contrast to AGTR-1, which promotes vasoconstriction and cell proliferation, AGTR-2 inhibits growth and promotes apoptosis. In addition, Angiotensin II-induced AGTR-2 signaling induces the release of nitric oxide in the heart, kidney, and brain and participates in tissue morphogenesis and repair. Human AGTR-2 shares 92% amino acid sequence identity with mouse and rat AGTR-2.

#### PRODUCT SPECIFIC NOTICES

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