

#### DESCRIPTION

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human NPY1R in direct ELISAs.
<b>Source</b>	Monoclonal Mouse IgG <sub>2B</sub> Clone # 556153
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	NS0 mouse myeloma cell line transfected with human NPY1R Met1-Ile384 Accession # P25929
<b>Conjugate</b>	Alexa Fluor 750 Excitation Wavelength: 749 nm Emission Wavelength: 775 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.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Flow Cytometry</b>	0.25-1 µg/10 <sup>6</sup> cells	MCF-7 human breast cancer cell line

#### PREPARATION AND STORAGE

**Shipping** The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

**Stability & Storage** **Protect from light. Do not freeze.**

- 12 months from date of receipt, 2 to 8 °C as supplied.

#### BACKGROUND

Neuropeptide Y receptor type 1 (NPY1R) is a 44 kDa (unglycosylated) member of the G protein coupled receptor 1 family. Human NPY1R is 384 amino acids (aa) in length and contains seven transmembrane regions and three potential sites for N-linked glycosylation. In addition, aa 338 is an S-palmitoyl cysteine lipid-binding site and aa 368 is a phosphoserine. Human NPY1R shares 94% and 93% aa sequence identity with mouse and rat NPY1R, respectively. Functionally, NPY1R is a receptor for neuropeptide Y and peptide YY.

#### PRODUCT SPECIFIC NOTICES

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