

DESCRIPTION

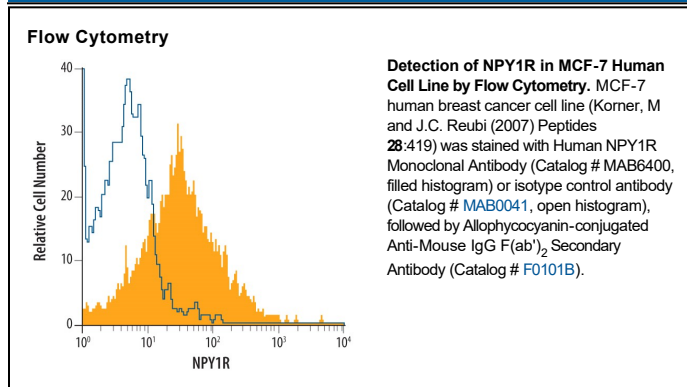
Species Reactivity	Human
Specificity	Detects human NPY1R in direct ELISAs.
Source	Monoclonal Mouse IgG _{2B} Clone # 556153
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	NS0 mouse myeloma cell line transfected with human NPY1R Met1-Ile384 Accession # P25929
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

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
Flow Cytometry	2.5 µg/10 ⁶ cells	See Below
CyTOF-reported	This clone has been commercially reported for use in CyTOF®. Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

DATA



PREPARATION AND STORAGE

Reconstitution	Sterile PBS to a final concentration of 0.5 mg/mL.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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.