

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human NRAGE in direct ELISAs.
Source	Monoclonal Mouse IgG _{2B} Clone # 353124
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human NRAGE Met1-Glu778 Accession # Q9Y5V3
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.

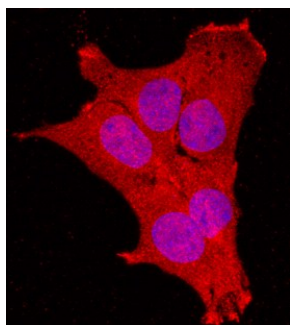
APPLICATIONS

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	0.25 µg/10 ⁶ cells	HEK293 human embryonic kidney cell line
Immunocytochemistry	8-25 µg/mL	See Below
CyTOF-ready	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

DATA

Immunocytochemistry



NRAGE in C2C12 Mouse Cell Line. NRAGE was detected in immersion fixed C2C12 mouse myoblast cell line using Mouse Anti-Human NRAGE Monoclonal Antibody (Catalog # MAB3835) at 10 µg/mL for 3 hours at room temperature. Cells were stained using the NorthernLights™ 557-conjugated Anti-Mouse IgG Secondary Antibody (red; Catalog # NL007) and counterstained with DAPI (blue). Specific staining was localized to cytoplasm. View our protocol for [Fluorescent ICC Staining of Cells on Coverslips](#).

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
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

Neurotrophin receptor-interacting MAGE homolog (NRAGE, also known as MAGE-D1 or Dlxin-1) is a ubiquitously expressed cytosolic protein that is a member of the melanoma-associated antigen (MAGE) family. The 778 aa human NRAGE protein contains a segment with 22 repeats of a W(P/Q)xPxx motif, followed by a MAGE domain. In the brain, NRAGE interacts with p75NTR, blocks cell cycle progression and facilitates NGF-dependent apoptosis. Over amino acids 73-254, human NRAGE shares 87% and 73% aa identity with mouse and rat NRAGE, respectively.