

**DESCRIPTION**

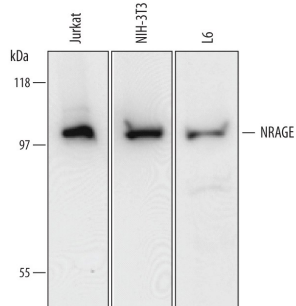
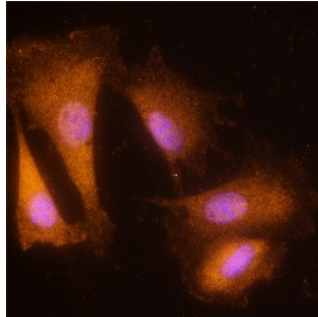
<b>Species Reactivity</b>	Human/Mouse
<b>Specificity</b>	Detects human NRAGE in direct ELISAs. In direct ELISAs, no cross-reactivity with recombinant human MAGE-A4 is observed.
<b>Source</b>	Monoclonal Mouse IgG <sub>2B</sub> Clone # 613441
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant human NRAGE Arg73-Asn254 Accession # Q9Y5V3
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied 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.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Western Blot</b>	1 µg/mL	See Below
<b>Immunocytochemistry</b>	8-25 µg/mL	See Below

**DATA**

<p><b>Western Blot</b></p>  <p><b>Detection of Human, Mouse, and Rat NRAGE by Western Blot.</b> Western blot shows lysates of Jurkat human acute T cell leukemia cell line, NIH-3T3 mouse embryonic fibroblast cell line, and L6 rat myoblast cell line. PVDF membrane was probed with 1 µg/mL of Mouse Anti-Human NRAGE Monoclonal Antibody (Catalog # MAB38352) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF007). A specific band was detected for NRAGE at approximately 100 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 2.</p>	<p><b>Immunocytochemistry</b></p>  <p><b>NRAGE in C2C12 Mouse Cell Line.</b> NRAGE was detected in immersion fixed C2C12 mouse myoblast cell line using Mouse Anti-Human NRAGE Monoclonal Antibody (Catalog # MAB38352) at 25 µg/mL for 3 hours at room temperature. Cells were stained using the NorthernLights™ 557-conjugated Anti-Mouse IgG Secondary Antibody (yellow; Catalog # NL007) and counterstained with DAPI (blue). Specific staining was localized to cytoplasm. View our protocol for <a href="#">Fluorescent ICC Staining of Cells on Coverslips</a>.</p>
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**PREPARATION AND STORAGE**

<b>Reconstitution</b>	Sterile PBS to a final concentration of 0.5 mg/mL.
<b>Shipping</b>	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
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>● 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

**BACKGROUND**

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. Human and mouse NRAGE share 87% aa identity. In the brain, NRAGE interacts with p75NTR, blocks cell cycle progression, and facilitates NGF-dependent apoptosis.