

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
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	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
Flow Cytometry	0.25-1 µg/10 ⁶ cells	HEK293 human embryonic kidney 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

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.

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