

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human MIG2 in direct ELISAs and Western blots. In direct ELISAs, no cross-reactivity with recombinant human (rh) MIG, rhFERMT1 (aa 514-677), rhMIG2/FERMT2 (aa 514-680), or rhFERMT3 (498-667) is observed.
Source	Monoclonal Mouse IgG _{2B} Clone # 696906
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human MIG2 Gln321-Leu444 Accession # Q96AC1
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *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.

Western Blot Optimal dilution of this antibody should be experimentally determined.

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

MIG2 (mitogen-inducible gene-2), also known as FERMT2 or Kindlin-2, is an approximately 80 kDa, 680 amino acid (aa), ubiquitously expressed member of the Fermitin/Kindlin family of cytoplasmic adaptor proteins. MIG2 is essential for β1 and β3 integrin activity due to its interactions with regulatory molecules such as talin and ILK. MIG2 contains two FERM domains (aa 285-326 and aa 524-573) and one pleckstrin homology domain (aa 373-478). Within the region used as an immunogen, human MIG2 shares 98% aa identity with mouse and rat MIG2. Two isoforms (687 aa and 633 aa) have a 7 aa insert after aa 534. The shorter isoform also has a 2 aa substitution for the C-terminal 57 aa of the 680 aa form.

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