

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse FoxD3 in ELISAs. In direct ELISAs, no cross-reactivity with recombinant human FoxD3 is observed.
Source	Monoclonal Rat IgG _{2A} Clone # 800602
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant mouse FoxD3 Met1-Val130 Accession # Q61060
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 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.

Immunocytochemistry 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

FoxD3 (forkhead box protein D3; also HNF3, HFH2 and Genesis) is a 50 kDa member of the winged helix transcription factor gene family. It is expressed in the epiblast, migrating neural crest, and motoneurons plus interneuron progenitors of the developing spinal cord. Mouse FoxD3 is 465 amino acids (aa) in length. It contains a forkhead DNA binding domain (aa 131-208) plus an Ala-rich region (aa 248-464) that contains a Gly-rich motif (aa 369-399). There appears to be one splice form that shows a four aa insert after Gly261. Over aa 1-130, mouse FoxD3 shares 97% and 79% aa identity with rat and human FoxD3, respectively.

PRODUCT SPECIFIC NOTICES

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