

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse FoxN1 in direct ELISAs.
Source	Monoclonal Rat IgG _{2A} Clone # 717008
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant mouse FoxN1 Val2-Asp164 Accession # Q61575
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 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.

Immunohistochemistry 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

Forkhead box N1 (FoxN1) is a 69 kDa transcriptional regulator that is primarily expressed in thymic epithelial cells and keratinocytes. FoxN1 function is required for proper T cell, hair follicle, and nail differentiation. Mutations in FoxN1 result in severe combined immunodeficiency (SCID/Nude). Mouse FoxN1 contains one DNA-binding forkhead domain (aa 271-367). Within amino acids 1 - 164, mouse FoxN1 shares 84% and 95% aa sequence identity with human and rat FoxN1, respectively.

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