

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse ETV2/ER71 in direct ELISAs.
Source	Monoclonal Rat IgG _{2A} Clone # 827940
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant mouse ETV2/ER71 Asn125-Arg231 Accession # P41163
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.

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

ETS translocation variant 2 (ETV2), also known as ETSRP and ER71, is a 37 kDa transcription factor that is expressed in presumptive vascular progenitor cells. It plays an important role in vascular development by promoting the expansion of hemangioblasts and vascular endothelial cells while inhibiting differentiation into cardiomyocytes. It contains one ETS DNA binding domain (aa 234-314). Within aa 125-231, mouse ETV2 shares 54% and 85% aa sequence identity with human and rat ETV2, respectively.

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