

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human ETV5 in direct ELISAs. In direct ELISAs, no cross-reactivity with recombinant human (rh) ETV1 or rhETV2 is observed.
Source	Monoclonal Mouse IgG _{2B} Clone # 654404
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human ETV5 Asn119-Ser223 Accession # P41161
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

ETS translocation variant 5 (ETV5), also known as ERM, is an approximately 70 kDa member of the ETS transcription factor family. The expression of ETV5 in Sertoli, granulosa, and cumulus cells is important for the ability of these cells to support spermatogonia stem cell and oocyte development. ETV5 is upregulated at the invasive front of various carcinomas, and it plays a role in tumor cell invasiveness. It is a target of chromosomal translocation in prostate cancer and forms a fusion protein with TMPRSS2. It is also required for branching morphogenesis during early kidney development. ETV5 contains a single Ets DNA-binding domain (aa 367-452). Within aa 119-223, human ETV5 shares 92% aa sequence identity with mouse and rat ETV5.

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