

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse VG5Q in direct ELISAs.
Source	Monoclonal Rat IgG _{2A} Clone # 368011
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant mouse VG5Q Met1-Glu711 Accession # Q7TN31
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 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

Angiogenic Factor VG5Q, also known as AGGF1, is a presumably secreted protein expressed by vascular endothelial cells. Mouse VG5Q cDNA encodes a 714 aa precursor with a coiled coil domain, a forkhead (FHA) domain, and RNA-association domains (G-patch, OCRE). VG5Q binds the angiogenic TNF superfamily ligand TWEAK, and promotes endothelial cell proliferation. Human VG5Q mutations are associated with Klippel-Trenaunay syndrome, a congenital vascular morphogenesis disorder. Mouse VG5Q shares 78% aa identity with human VG5Q.

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