

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human RTTN in direct ELISAs.
Source	Monoclonal Mouse IgG ₁ Clone # 980404
Purification	Protein A or G purified from cell culture supernatant
Immunogen	Synthetic peptide containing human RTTN
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.

ELISA 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

Human Rotatin, or RTTN, is a 2,226 amino acids (aa) protein discovered in a large-scale gene trap screen for factors that govern left-right specification. RTTN plays a role in the maintenance of a normal ciliary structure and is required for correct asymmetric expression of NODAL, LEFTY and PITX2. In humans, RTTN mutations link aberrant ciliary function to abnormal development and organization of the cortex and might be a cause of Primary Microcephaly, Primordial Dwarfism and other brain malformations.

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