

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Detects human and mouse Norrin in direct ELISAs and Western blots. In direct ELISAs and Western blots, 100% cross-reactivity with recombinant mouse Norrin is observed.
Source	Monoclonal Mouse IgG ₁ Clone # 343711
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human Norrin Lys25-Ser133 Accession # Q00604
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.

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

Norrin, also known as Norrie Disease Protein, is a secreted protein that has a C-terminal cysteine-knot motif. Although Norrin is unrelated to Wnt family proteins, it is a Frizzled-4-specific ligand that activates the canonical Wnt pathway through Frizzled-4 and LRP5 (LDL receptor-related protein). Mutations in Norrin are associated with Norrie disease and X-linked familial exudative vitreoretinopathy. The amino acid sequence of human Norrin is 100% and 94% identical to rhesus macaque and mouse Norrin, respectively.

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