

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Opticin in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant mouse Opticin is observed.
Source	Monoclonal Rat IgG _{2A} Clone # 361328
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Opticin Ala20-Thr332 Accession # Q9UBM4
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

Opticin (Oculoglycan) is a member of the small leucine-rich proteoglycan (SLRP) family with homology to class III extracellular matrix family members Epiphykan and Mimecan. It forms a 90 kDa noncovalent dimer that is a component of vitreous collagen fibrils in the eye and is also expressed in the retina, iris, ligaments and skin. Mature human Opticin shares 73% and 65% aa identity with mouse and rat, respectively. Mutations of Opticin have been associated with age-related macular degeneration.

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