

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Exostosin-like 3/EXTL3 in direct ELISAs and Western blots.
Source	Monoclonal Mouse IgG _{2A} Clone # 311007
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Exostosin-like 3/EXTL3 Thr52-Ile919 Accession # O43909
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.
Immunoprecipitation	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

EXTL3 is an ER-resident type II transmembrane protein belonging to the EXT family of tumor suppressor genes. EXT family members are glycosyl transferases that are involved in the synthesis of the glycosaminoglycan chains of heparan sulfate proteoglycans. EXTL3 was also reported to be a receptor for the REG protein, a pancreatic beta-cell regeneration factor. The amino acid sequence of rhEXTL3 is 98%, 97%, 88%, and 83% identical to that of dog, rat/mouse, *Xenopus* and zebrafish.

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