

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Angiopoietin-like Protein 7/ANGPTL7 in direct ELISAs and Western blots. In Western blots, less than 3% cross-reactivity with recombinant human Angiopoietin-1 is observed.
Source	Monoclonal Mouse IgG ₁ Clone # 121408
Purification	Protein A or G purified from ascites
Immunogen	<i>E. coli</i> -derived recombinant human Angiopoietin-like Protein 7/ANGPTL7 Lys28-Pro346 Accession # O43827
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 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

Angiopoietin-like Protein 7 (ANGPTL7), also known as cornea-derived transcript 6 (CDT6), is a secreted 45 kDa protein that contains a coiled-coil domain (aa 30-110) and a fibrinogen-like domain (aa 113-334). ANGPTL7 is expressed in the stromal layer of the cornea, and it forms disulfide-linked homotetramers. It contributes to corneal morphogenesis by suppressing angiogenesis and promoting the deposition of extracellular matrix components. ANGPTL7 is up-regulated in glaucoma and accumulates in the aqueous humor. Mature mouse ANGPTL7 shares 88% and 98% sequence identity with human and rat ANGPTL7.

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