

#### DESCRIPTION

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|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species Reactivity</b> | Human                                                                                                                                                                                                                                                                       |
| <b>Specificity</b>        | Detects human Angiopoietin-like Protein 3/ANGPTL3 in direct ELISAs.                                                                                                                                                                                                         |
| <b>Source</b>             | Monoclonal Rat IgG <sub>2A</sub> Clone # 388610                                                                                                                                                                                                                             |
| <b>Purification</b>       | Protein A or G purified from hybridoma culture supernatant                                                                                                                                                                                                                  |
| <b>Immunogen</b>          | <i>S. frugiperda</i> insect ovarian cell line Sf21-derived recombinant human Angiopoietin-like Protein 3/ANGPTL3<br>Ile19-Glu460<br>Accession # Q9Y5C1                                                                                                                      |
| <b>Conjugate</b>          | Alexa Fluor 700<br>Excitation Wavelength: 675-700 nm<br>Emission Wavelength: 723 nm                                                                                                                                                                                         |
| <b>Formulation</b>        | Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide<br><br>*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

|                                |                                                                                                                   |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Shipping</b>                | The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below. |
| <b>Stability &amp; Storage</b> | Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied                          |

#### BACKGROUND

Angiopoietin-like 3 (ANGPTL3) is a secreted glycoprotein that belongs to the angiopoietin family. It is expressed in the liver and circulates as 70 kDa, 50 kDa, and 32 kDa species. These include full length ANGPTL3 as well as the proteolytically separated N- and C-terminal fragments which contain a coiled coil domain and fibrinogen-like domain, respectively. ANGPTL3 promotes an increase in circulating triglyceride levels by directly inhibiting lipoprotein lipase. Mature human ANGPTL3 shares 77% amino acid sequence identity with mouse ANGPTL3.

#### PRODUCT SPECIFIC NOTICES

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