

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human CILP-1 N-Terminal Fragment in direct ELISAs and Western blots. In direct ELISAs, less than 1% cross-reactivity with recombinant human CILP-1 C-terminal peptide is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant human CILP-1 N-Terminal Fragment Arg22-Arg720 Accession # NP_003604
Conjugate	Alexa Fluor 750 Excitation Wavelength: 749 nm Emission Wavelength: 775 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

The CILP-1 (cartilage intermediate-layer protein 1) gene product is a 132 kDa (predicted) monomeric glycoprotein that is found in both hyaline and fibrocartilage. It is a precursor for two secreted, proteolytically generated products, a 90 kDa N-terminal CILP-1, and a 62 kDa C-terminal NTPPHase-homolog. The N-terminus is suggested to serve as both a matrix structural protein, and an IGF-I/TGF-β1 suppressor sequestration molecule. Human CILP-1 spans aa 22-720 of the CILP-1 precursor. It contains one TSP-1 domain (aa 149-201), a C2-type Ig-like region (aa 309-395) and six potential N-glycosylation sites. Over aa 1-720 of the CILP-1 precursor, human CILP-1 shares 89% aa identity with mouse CILP-1, and 42% aa identity with human CILP-2.

PRODUCT SPECIFIC NOTICES

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