



Mouse anti-Human CILP monoclonal antibody, clone 3D6 (CABT-B9975)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	CILP (NP_003604, 129 a.a. ~ 227 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	3D6
Conjugate	Unconjugated
Applications	sELISA, ELISA
Sequence Similarities	NCSNYTVRFLCPPGSLRRDTERIWSPWSPWSKCSAACGQTGVQTRTRICLAEMVSLCSEA SEEGQHCMGQDCTACDLTCPMGQVNADCDACMCQDFML*
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	Major alterations in the composition of the cartilage extracellular matrix occur in joint disease, such as osteoarthritis. This gene encodes the cartilage intermediate layer protein (CILP),
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which increases in early osteoarthritis cartilage. The encoded protein was thought to encode a protein precursor for two different proteins; an N-terminal CILP and a C-terminal homolog of NTPPHase, however, later studies identified no nucleotide pyrophosphatase phosphodiesterase (NPP) activity. The full-length and the N-terminal domain of this protein was shown to function as an IGF-1 antagonist. An allelic variant of this gene has been associated with lumbar disc disease. [provided by RefSeq, Sep 2010]

Keywords

CILP; cartilage intermediate layer protein, nucleotide pyrophosphohydrolase; CILP-1; HsT18872; cartilage intermediate layer protein 1; cartilage intermediate-layer protein; cartilage intermediate layer protein 1 C1; cartilage intermediate layer protein 1 C2;

GENE INFORMATION

Entrez Gene ID

[8483](#)

UniProt ID

[O75339](#)

Function

NOT alkaline phosphatase activity; NOT nucleotide diphosphatase activity
