



# 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

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

## BACKGROUND

<b>Introduction</b>	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]

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<b>Keywords</b>	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;
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## GENE INFORMATION

Entrez Gene ID	<a href="#">8483</a>
UniProt ID	<a href="#">Q75339</a>
Function	NOT alkaline phosphatase activity; NOT nucleotide diphosphatase activity

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