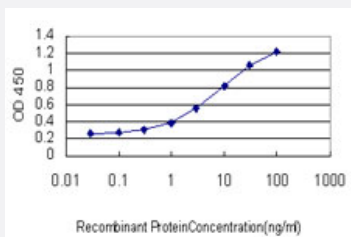


CILP monoclonal antibody (M01), clone 2C5

Catalog # H00008483-M01

Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CILP is approximately 0.1ng/ml as a capture antibody.

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant CILP.
Immunogen	CILP (NP_003604, 129 a.a. ~ 226 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	NCSNYTVRFLCPPGSLRRDTERWSPWSPWSKCSAACGQTGVQTRTRICLAEMVSLCSEASEE GQHCMGQDCTACDLTCPMGQVNADCDACMCQDFML
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (88); Rat (88)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CILP is approximately 0.1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — CILP

Entrez GeneID [8483](#)

GeneBank Accession# [NM_003613](#)

Protein Accession# [NP_003604](#)

Gene Name CILP

Gene Alias CILP-1, HsT18872

Gene Description cartilage intermediate layer protein, nucleotide pyrophosphohydrolase

Omim ID [603489](#) [603932](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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), which increases in early osteoarthritis cartilage. The encoded protein was thought to encode a protein precursor for 2 different proteins, namely CILP and a homolog of NTPPHase, however later studies identified no nucleotide pyrophosphatase phosphodiesterase (NPP) activity. One isoform of the protein, CILP-1, functions as an IGF-1 antagonist. [provided by RefSeq]

Other Designations cartilage intermediate layer protein|cartilage intermediate layer protein 1 C1|cartilage intermediate layer protein 1 C2

Disease

- [Disease Progression](#)
- [Genetic Predisposition to Disease](#)
- [Osteoarthritis](#)