

**Product:** Formiminotransferase Cyclodeaminase (LC-1), human, recombinant  
**Catalog #:** 12-4338  
**Amount:** 10 µg

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**DESCRIPTION:** Recombinant human Formiminotransferase Cyclodeaminase (rHuLC-1) Formiminotransferase cyclodeaminase, a bifunctional enzyme of tetrahydrofolate synthesis, is the target antigen of anti-LC1 (liver cytosol antigen type 1) autoantibodies. Presence of LC1 autoantibodies is a marker for type 2 autoimmune hepatitis (for which anti-LKM 1/cytochrome P450 2D6 autoantibodies are a further marker). Serum LC1 autoantibody concentrations appear to fluctuate in parallel with aminotransferase levels, a particularly intriguing observation that suggests a possible role of LC1 autoreactivity in the pathogenic mechanism leading to hepatocyte injury.

**SOURCE:** Sf9 insect cells

**PURITY:** > 95%, as determined by SDS-PAGE

**IMMUNOLOGICAL FUNCTIONS:**

1. Binds IgG-type human auto-antibodies.
2. Standard ELISA test (checker-board analysis of positive/negative sera panels, immuno-dot test).

**APPLICATION:** Western-Blot with monoclonal anti-hexa-His-tag antibody and autoimmune hepatitis (AIH II) patient sera.

**COATING CONCENTRATION:** 0.35-0.7µg/ml (depending on the type of ELISA plate and coating buffer). Suitable for biotinylation and iodination.

**FORM:** Purified, in 0.5mg/ml in 16mM HEPES buffer pH-7.6, 240mM sodium chloride, and 20% glycerol.

**STORAGE:** -20°C (aliquot), avoid freezing and thawing cycles

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