Product number #10120

Mouse Anti-Collagen XI Antibody (L10D9)

Description
Affinity purified mouse monoclonal anti- collagen XI antibody clone L10D9 in PBS, sterile filtered (20 µm). The antibody L10D9 binds to the triple helical D3 epitope on collagen XI; an epitope that is shared with Collagen type II[1]. The antibody L10D9 antibody binds to both CXI and CII equally strong, with a specific binding for the D3 epitope region of the COL2A1 chain[1].
The antibody L10D9 can be used for immunoassay techniques such as ELISA[1], immunohistochemistry (IHC)[1], bead-based multiplex immunoassays[1], Western blot[1] and *in vivo* functional assays[2].

Target with alternative names
Collagen XI, CXI, collagen type XI, collagen type 11

Immunogen
Bovine Collagen XI (bCXI)[1]

Species reactivity
Mouse, human

Isotype
Mouse IgG2b, κ

Cross-reactivity
Collagen type II (COL2A1)[1]

Concentration
1 mg/ml

Sizes available
100µg and 1 mg

Supplied in
PBS

Storage
Centrifuge briefly prior to opening vial. Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C long term. Avoid repeated freeze/thaw cycles.

Recommended dilution
It is recommended the user determines the optimal dilution for their application. The typical starting working dilutions are: IHC 1:100, ELISA 1:200 - 1:500.

For Research Use Only. Not for use in diagnostic procedures.
Not for resale without express authorization.

References

1. Tong D, Lönnblom E, Yau ACY, Nandakumar KS, Liang B, Ge C, Viljanen J, Li L, Bãlan M, Klareskog L, Chagin AS, Gjertsson I, Kihlberg J, Zhao M, Holmdahl R. A Shared Epitope of Collagen Type XI and Type II Is Recognized by Pathogenic Antibodies in Mice and Humans with Arthritis. Front Immunol. 2018 Apr 12;9:451. PMID: 29706949.
2. Li Y, Tong D, Liang P, Lönnblom E, Viljanen J, Xu B, Nandakumar KS, Holmdahl R. Cartilage-binding antibodies initiate joint inflammation and promote chronic erosive arthritis. Arthritis Res Ther. 2020 May 24;22(1):120. PMID: 32448385.

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