
Collagen Type III (1E7) Antibody

Subcategory: Mouse Monoclonal Antibody

Cat. No.: 250273

Unit: 0.2 mg

Description:

Type III collagen is present in the walls of arteries, intestines and the uterus, where it strengthens the connective tissue. Patients with defects in the type III collagen (ex. Ehlers-Danlos syndrome) are at risk of rupture of major arteries or the intestine. This antibody is highly specific for type III collagen. It has been shown to have no cross-reactivity with type I and V collagens by ELISA and immunoblotting. There is no evidence for cross-reactivity with other connective tissue proteins (laminin, fibronectin, elastin). The antibody shows reactivity with human, dog, rat and kangaroo type III collagens by ELISA and immunoblotting. The antibody does not react with calf and sheep type III collagen by ELISA and immunoblotting.

Isotype: Mouse IgG1/k

Applications: E, WB, IHC

Species Reactivity: H, R, D, Kg, Other

Format: Each vial contains 0.2 mg IgG in 0.2 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-A/G affinity chromatography.

Alternate Names: Collagen alpha-1(III) chain; COL3A1

Accession No.: P02461

Antigen: Acid-digested pepsin soluble human type III collagen

Application Notes: Product Cat. No. 250273 can be used for detection of collagens by ELISA. Product Cat. No. 250273 has been used successfully in immunohistology with frozen unfixed sections of human and kangaroo skin, and in new dog tissue associated with biomaterial implants. If tissue fixation is required, acetone or ethanol is recommended. E: 1:800; WB: 1:200; IHC: 1:100

Storage: Store at 4°C. Product is guaranteed 6 months from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.