
Collagen Type V (1E2) Antibody

Subcategory: Mouse Monoclonal Antibody

Cat. No.: 250272

Unit: 0.2 mg

Description:

Type V collagen is a minor component of the connective tissue, although it is present in many different types of connective tissue. Patients with defects in the type V collagen (Ehlers-Danlos syndrome) have weakened connective tissue characterized by hyperstretchable joints and fragile, easily bruisable skin. This antibody is highly specific for type V collagen. It has been shown to have no cross-reactivity with type I, III and VI collagens by ELISA and immunoblotting. There is no evidence for cross-reactivity with other connective tissue proteins (laminin, fibronectin, elastin). This antibody shows reactivity with human, dog, sheep, pig, kangaroo, rabbit and calf type V collagens by ELISA and immunoblotting. The antibody does not show reactivity with mouse, rat, guinea pig and chicken type V collagens by ELISA and immunoblotting.

Isotype: Mouse IgG2a/k

Applications: E, WB, IHC

Species Reactivity: H, P, B, D, Sh, 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(V) chain; COL5A1

Accession No.: P20908

Antigen: Acid-digested pepsin soluble dog type V collagen

Application Notes: Product Cat. No. 250272 can be used for detection of collagens by ELISA. Product Cat. No. 250272 has been used successfully for immunohistology on paraffin-embedded and frozen unfixed sections of human, bovine and dog skin, on rabbit and fetal bovine cornea, and on new dog tissue associated with a biomaterial implant. If fixation of tissue is required, acetone or ethanol is recommended. Product Cat. No. 250272 binds poorly to Collagen V when tested in ELISA with Collagen V coated directly onto the microtiter well. E: 1:50; WB: 1:50; IHC: 1:50

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.