

RA011**Human Collagen type VI****Alternate names:**

COL6A1

Quantity:

0.5 mg

Concentration:

1 mg/ml (by dry weight)

Background:

The collagens are a superfamily of proteins that play a role in maintaining the integrity of various tissues. Collagens are extracellular matrix proteins and have a triple helical domain as their common structural element. Collagen VI is a major structural component of microfibrils. The basic structural unit of collagen VI is a heterotrimer of the alpha 1(VI), alpha 2(VI), and alpha 3(VI) chains. Mutations in the genes that code for the collagen VI subunits result in the autosomal dominant disorder, Bethlem myopathy.

Uniprot ID:[P12109](#)**NCBI:**[NP_001839](#)**GeneID:**[1291](#)**Species:**

Human

Source:

Placenta

Format:**State:** Liquid (sterile filtered) fraction.**Purity:** Chromatographically and Immunologically pure.**Buffer System:** 0.5 M Acetic Acid, containing 0.01% (w/v) Sodium Azide as preservative.**Applications:**

For use as a Control or Standard in Indirect trapping ELISA for quantitation of antigen in serum using a standard curve, for immunoprecipitation and for Western blotting. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Description:

Collagen type VI, prepared from human placenta, is free from other collagens, human serum proteins and non-collagen extracellular matrix proteins. This product reacts with anti-Collagen Type VI. Reaction with anti-Collagen I, II, III, IV or V is negligible (typically less than 1% cross reactivity was detected by ELISA).

Storage:

Store vial at 2-8°C prior to opening.

This product is stable 2-8°C as an undiluted liquid.

Dilute only prior to immediate use.

Shelf life: six (6) months from despatch.

Caution:

Source material supplied to your facility has been tested for the detection of HIV antibody, Hepatitis B surface antigen, antibody to Hepatitis C, HIV 1 antigen(s), antibody to HTLV - I/II, and syphilis with FDA approved test kits. All units were found to be non-reactive/negative for these tests. Nevertheless, all products from human sources should be handled as potentially infectious.