

## Polyclonal Antibody to Collagen type VI - Biotin

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| <b>Catalog No.:</b>    | R1043B  |
| <b>Quantity:</b>       | 0.1 mg  |
| <b>Concentration:</b>  | 1.5 mg/ml (OD280)   |
| <b>Host / Isotype:</b> | Rabbit  |
| <b>Immunogen:</b>      | Collagen type VI purified from human and bovine placenta.   |
| <b>Format:</b>         | <p><b>State:</b> Liquid (sterile filtered) purified Ig fraction.</p> <p><b>Purification:</b> Immunoaffinity chromatography.</p> <p><b>Buffer System:</b> 0.125M Borate, 0.075M Sodium Chloride, 0.005M EDTA, pH 8.0 containing 10mg/ml BSA as stabilizer and 0.01 % sodium azide as preservative.</p> <p><b>Label:</b> Biotinamidocaproate N-Hydroxysuccinimide Ester (BAC).<br/> <i>Molar Ratio:</i> 10-20 BAC molecules per Rabbit IgG molecule .</p>   |
| <b>Applications:</b>   | <p>Anti-Collagen antibodies have been used for indirect trapping ELISA for quantitation of antigen in serum using a standard curve, for immunoprecipitation and for western blotting for highly sensitive qualitative analysis.</p> <p><u>Recommended Dilutions:</u> This product was assayed by immunoblot and found to be reactive against Collagen VI at a dilution of 1:5,000 to 1:10,000. This product was also assayed against 1.0 ug of Collagen VI in a standard sandwich ELISA using Peroxidase Conjugated Streptavidin and ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) as a substrate for 30 minutes at room temperature. A working dilution of 1:3,000 to 1:12,000 of the stock concentration is suggested for this product. For Immunohistochemistry on frozen tissue sections dilute the product 1:50 to 1:200.</p> <p>Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.</p> |
| <b>Specificity:</b>    | <p>This product has been prepared by immunoaffinity chromatography using immobilized antigens followed by extensive cross-adsorption against other collagens, human serum proteins and non-collagen extracellular matrix proteins to remove any unwanted specificities. Typically less than 1% cross reactivity against other types of collagens was detected by ELISA against purified standards. Some class specific anti-collagens may be specific for three-dimensional epitopes which may result in diminished reactivity with denatured collagen or formalin-fixed, paraffin embedded tissues.</p> <p>This antibody reacts with most mammalian Type VI collagens and has negligible cross-reactivity with Type I, II, III, IV and V collagens.</p> <p>Non-specific cross reaction of anti-collagen antibodies with other human serum proteins or non-collagen extracellular matrix proteins is negligible.</p>  |
| <b>Storage:</b>        | <p>Store the antibody (undiluted) at 2-8°C for one month or (in aliquots) at -20°C for longer. Dilute only prior to immediate use.</p> <p>Avoid repeated freezing and thawing.</p> <p>Shelf life: One year from despatch.</p>   |

**For research and in vitro use only. Not for diagnostic or therapeutic work.**

Material Safety Datasheets are available at [www.acris-antibodies.com](http://www.acris-antibodies.com) or on request.

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