OriGene Technologies Inc.

9620 Medical Center Drive, Ste 200
Rockville, MD 20850
UNITED STATES
Phone: +1-858-888-7900
Fax: +1-858-888-7904
US-info@acris-antibodies.com

OriGene EU

Acris Antibodies GmbH
Schillerstr. 5
32052 Herford
GERMANY
Phone: +49-5221-34606-0
Fax: +49-5221-34606-11
info@acris-antibodies.com

Polyclonal Antibody to Biotin F(ab')2 - Cy3.5

Catalog No.: AP09429C35-N

Quantity: 1 mg

Concentration: 1,0 mg/ml (by UV absorbance at 280 nm)

Background: Biotin is a water soluble vitamin, generally classified as a B complex vitamin, also called vitamin B4. After the initial discovery of biotin, nearly forty years of research were required to establish it as a vitamin. Biotin is required by all organisms but can only be synthesized by bacteria, yeasts, molds, algae, and some plant species. Biotin is required as prosthetic group of enzymes involved in incorporation of carbon dioxide into organic compounds. Biotin has a MW of 244 Da.

Host / Isotype: Goat / IgG

Immunogen: Biotin conjugated to Keyhole Limpet Hemocyanin (KLH)

Format:
State: Lyophilized F(ab)2 fragment
Purification: Immunoaffinity chromatography
Buffer System: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 containing 10 mg/ml Bovine Serum Albumin (BSA) and 0.01% (w/v) Sodium Azide
Label: Cy3.5 – (Cyanine 3.5-OSu) (Molecular Weight 1,286 daltons)
Absorption / Emission: 581 nm / 596 nm
Molar Ratio: 2.2 moles Cy3.5 per mole of Goat IgG F(ab')2
Reconstitution: Restore with 1.0 ml of deionized water (or equivalent).
For extended storage, add glycerol to 50%

Applications:
ELISA.
Western Blot.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: This is a Cy3.5 conjugated F(ab)2 fragment of Anti-Biotin.

Storage:
Prior to reconstitution store at 2-8°C.
Following reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

For research and in vitro use only. Not for diagnostic or therapeutic work.
Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Acris Antibodies is now part of the OriGene family. Learn more at www.origene.com