Anti-Bevacizumab Antibody (6C3)[Biotin], mAb, Mouse

Cat. No.: A01977

Overview

Specificity	The product is specific for Bevacizumab. The antibody is recommended as a detection antibody in a pharmacokinetic (PK) bridging assay with capture antibody GenScript, A01975-40, Anti-Bevacizumab Antibody (4H1), mAb, Mouse.
Host Species	Mouse
Immunogen	Bevacizumab
Conjugate	Biotin

Applications

Working concentrations for specific applications should be determined by the investigators. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

Application	Recommended Usage
ELISA	0.01-0.1 µg/ml

Properties

Form	Lyophilized
Storage Buffer	lyophilized with PBS, pH 7.4, containing 1% BSA and 0.02% sodium azide.
Reconstitution	Reconstitute the lyophilized powder with deionized water (or equivalent) to an final concentration of 0.5 mg/mL.
Storage Instructions	The lyophilized product remains stable up to 1 year at -20 °C from date of receipt. Upon reconstitution, it can be stored for 2-3 weeks at 2-8 °C or for up to 12 months at -20 °C or below. Avoid freeze/thaw cycles.

| Purification	Protein A affinity column
Isotype	Mouse IgG1
Clonality	Monoclonal
Clone ID	6C3
Note	GenScript can customize this product per customer's request including product size, buffer components, etc.

Examples
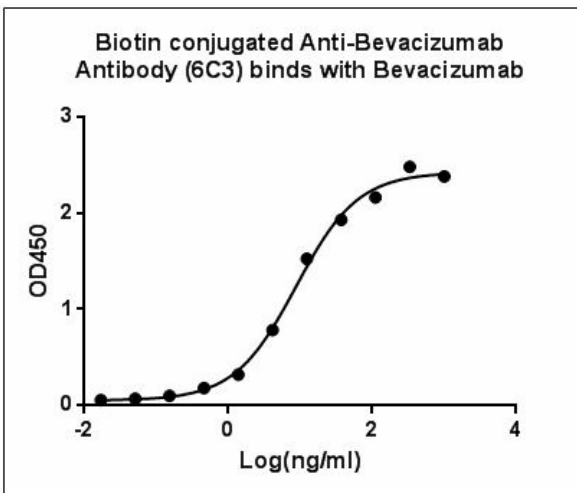
ELISA binding of Anti-Bevacizumab Antibody (6C3) [Biotin] (GenScript, A01977-40) with Bevacizumab. While the antibody does not recognize the human IgG (data not shown).Coating antigen: Bevacizumab, 1 µg/ml.
Anti-Bevacizumab Antibody (6C3) [Biotin] (GenScript, A01977-40) dilutions start from 1,000 ng/ml.
EC_{50}= 8.735 ng/ml.
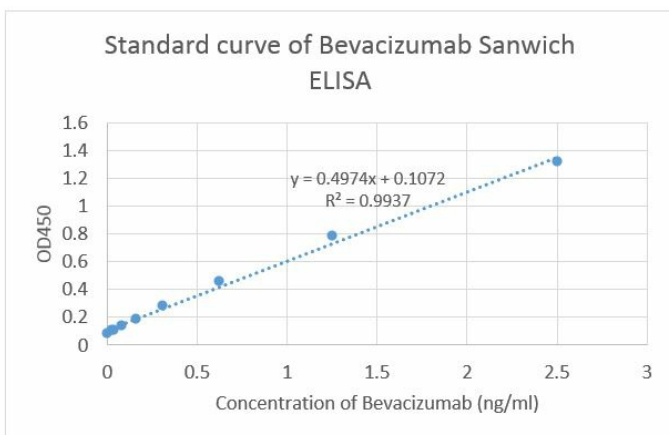
Standard curve of Bevacizumab Sandwich ELISA. The Bevacizumab Sandwich ELISA assay is developed by using Anti-Bevacizumab Antibody (4H1), mAb, Mouse (GenScript, A01975-40) and Anti-Bevacizumab Antibody (6C3) [Biotin] (GenScript, A01977-40) as the capture and detection antibodies, respectively
The sensitivity is less than 78 pg/ml.

Background

Target Background : Bevacizumab (Avastin) is a humanized monoclonal antibody that is approved by the U.S. Food and Drug Administration for the treatment of a number of types of cancers and a specific eye disease. Bevacizumab binds a continuous epitope in VEGF, preventing interaction of VEGF with VEGFR on the surface of endothelial cells. It can be used to inhibit solid tumour growth and metastasis by weakening tumour angiogenesis.Anti-Bevacizumab Antibody (6C3), mAb, Mouse is produced from a hybridoma resulting from the fusion of partner and B-lymphocytes obtained from a mouse immunized with Bevacizumab.

Synonyms : Mouse monoclonal to Avastin

For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.