

MonoRab™ Anti-Bevacizumab Antibody (46E3)[Biotin], mAb, Rabbit

Cat. No.: A01896-40**Host:** Rabbit**Size:** 40 µg**Ig Subclass:** IgG**Clone:** 46E3**Immunogen:** Bevacizumab**Purification:** Protein A affinity column**Conjugation:** Biotin**Version:** 07/19/2017

PRODUCT INFORMATION

Description

Bevacizumab (Avastin) is a humanized monoclonal antibody that is approved by the U.S. Food and Drug Administration for the treatment of patients with colon cancer, lung cancer, glioblastoma, renal-cell carcinoma, and age-related macular degeneration. As an angiogenesis inhibitor, Bevacizumab blocks angiogenesis by inhibiting vascular endothelial growth factor A (VEGF-A).

Specificity

The product is specific for Bevacizumab. This antibody blocks Bevacizumab binding with VEGF165 (Z02689, VEGF165, Human). The antibody is recommended as a detection antibody in a pharmacokinetic (PK) bridging assay with capture antibody GenScript, A01895-40, MonoRab™ Anti-Bevacizumab Antibody (30E1), mAb, Rabbit.

Concentration

0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 1% BSA and 0.02% sodium azide. (It may be customized for bulk orders.)

Note

GenScript can customize this product per the customer's request including product size, buffer components, etc.

Reconstitution

Reconstitute the lyophilized antibody with deionized water (or equivalent) to a final concentration of 0.5 mg/ml.

Storage

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 repeated freezing and thawing cycles.

Applications

Working concentrations for specific applications should be determined by the investigators. The appropriate concentration 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.

** For non-clinical research use only. **

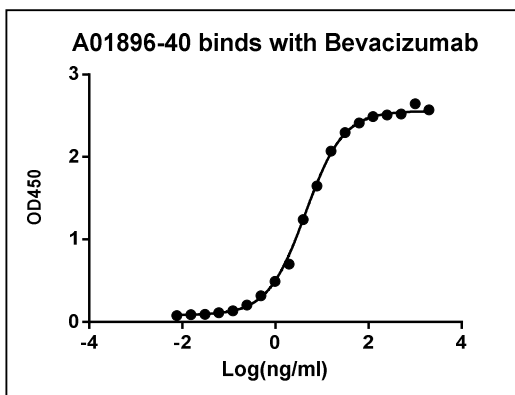
860 Centennial Ave., Piscataway, NJ 08854, USA

Toll-Free: 1-877-436-7274 Tel: 1-732-885-9188 Fax: 1-732-210-0262 Email: product@genscript.com Web: www.genscript.com

ELISA detection: 0.01-0.05 µg/ml

Other applications: user-optimized

Example

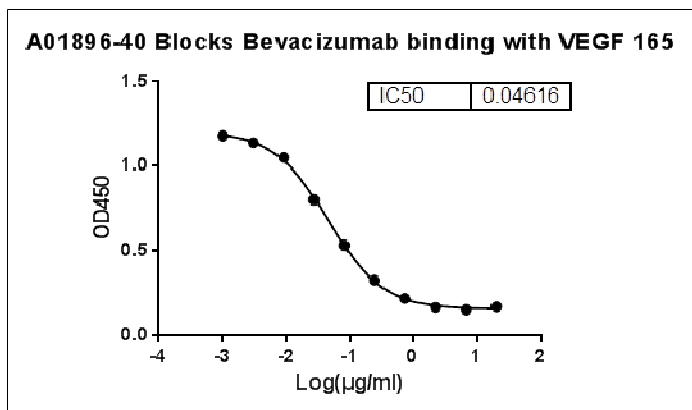


ELISA binding of **MonoRab™ Anti-Bevacizumab Antibody (46E3) [Biotin], mAb, Rabbit** (GenScript, A01896-40) with Bevacizumab. While the antibody does not recognize the human IgG Fc fragment (data not shown).

Coating antigen: Bevacizumab, 1 µg/ml.

Anti-Bevacizumab antibody (GenScript, A01896-40) dilution start from 2,000 ng/ml.

EC₅₀= 4.421 ng/ml.



MonoRab™ Anti-Bevacizumab Antibody (46E3) [Biotin], mAb, Rabbit (GenScript, A01896-40) blocking with Vascular Endothelial Growth Factor 165 (VEGF 165).

Coating antigen: Bevacizumab, 0.3 µg/ml.

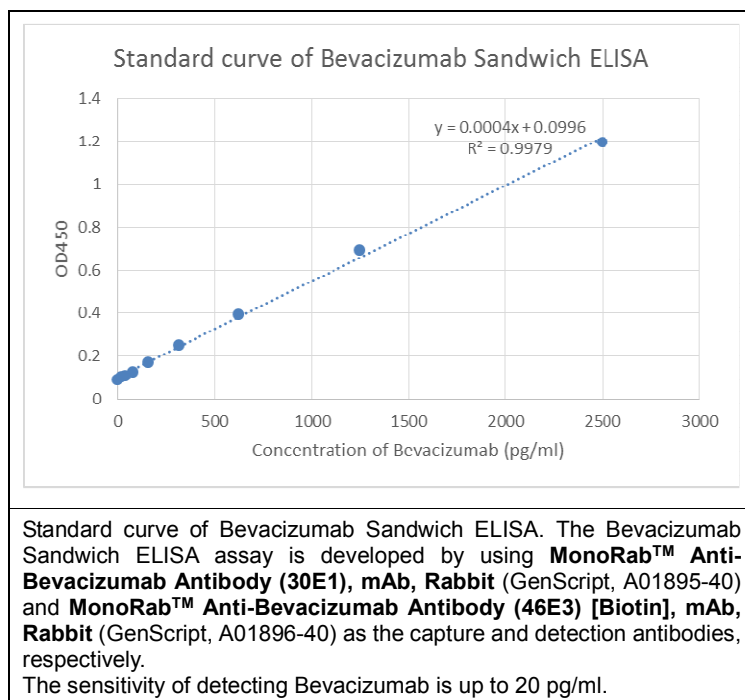
Anti-Bevacizumab Antibody (46E3), mAb, Rabbit (GenScript, A01896-40) final concentration: 8 ng/ml.

VEGF 165 dilution start from 20 µg/ml.

IC₅₀= 46.16 ng/ml.

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