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45-1117: Biotinylated Rabbit Monoclonal Antibody to Bevacizumab/Avastin (Clone: 46E3)

Clonality: Monoclonal
Clone Name: 46E3
Application: ELISA
Conjugate: Biotin
Format: Purified
Isotype: Rabbit IgG
Immunogen Information: Bevacizumab

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).

Product Info

Amount: $40 \mu g$

Purification: Protein A chromatography

Content: 0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 1% BSA and 0.02% sodium azide.

The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody

Storage condition: can be stored for 2-3 weeks at 2-8°C. For long term storage, aliquot and store at -20°C or below.

Avoid repeated freezing and thawing cycles.

Application Note

ELISA detection: 0.01-0.05 µg/ml

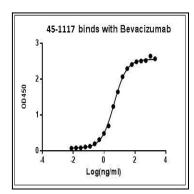


Figure-1: ELISA binding of Biotin conjugated Bevacizumab Antibody (Clone: 46E3) with Bevacizumab, Coating antigen: Bevacizumab at 1 μg/ml, Bevacizumab antibody dilution start from 2,000 ng/ml, EC50= 4.421 ng/ml.



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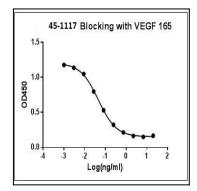


Figure-2: ELISA Blocking of Biotin conjugated Bevacizumab Antibody (Clone: 46E3) with Vascular Endothelial Growth Factor 165 (VEGF 165), Coating antigen: Bevacizumab at 0.3 μg/ml, Anti-Bevacizumab Antibody (Clone: 46E3)final concentration: 8 ng/ml, VEGF 165 dilution start from 20 μg/ml, IC50= 46.16 ng/ml.

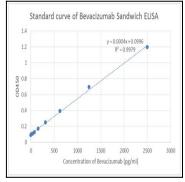


Figure-3: Standard curve of Bevacizumab Sandwich ELISA, The Bevacizumab Sandwich ELISA assay is developed by using Bevacizumab Antibody (Clone: 30E1) and Biotin conjugated Bevacizumab Antibody (Clone: 46E3) as the capture and detection antibodies respectively, The sensitivity of detecting Bevacizumab is up to 20 pg/ml.