

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

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	46E3
<b>Application :</b>	ELISA
<b>Conjugate :</b>	Biotin
<b>Format :</b>	Purified
<b>Isotype :</b>	Rabbit IgG
<b>Immunogen Information :</b>	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

<b>Amount :</b>	40 µg
<b>Purification :</b>	Protein A chromatography
<b>Content :</b>	0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 1% BSA and 0.02% sodium azide.
<b>Storage condition :</b>	The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody 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

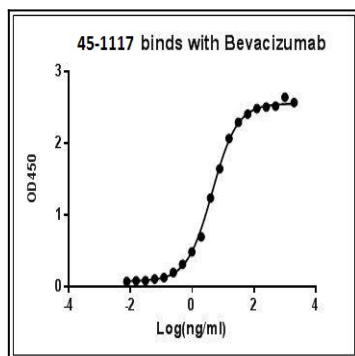


Figure-1 : ELISA binding of Biotin conjugated Bevacizumab Antibody (Clone: 46E3) with Bevacizumab, Coating antigen: Bevacizumab at 1 µg/ml, Bevacizumab antibody dilution start from 2,000 ng/ml, EC50= 4.421 ng/ml.

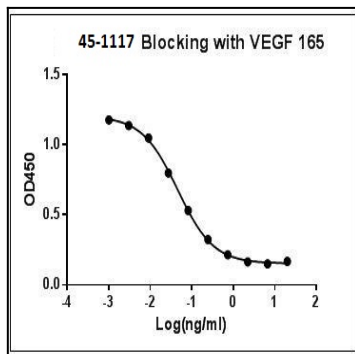


Figure-2 : ELISA Blocking of Biotin conjugated Bevacizumab Antibody (Clone: 46E3) with Vascular Endothelial Growth Factor 165 (VEGF 165), Coating antigen: Bevacizumab at 0.3 µg/ml, Anti-Bevacizumab Antibody (Clone: 46E3)final concentration: 8 ng/ml, VEGF 165 dilution start from 20 µg/ml, IC50= 46.16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

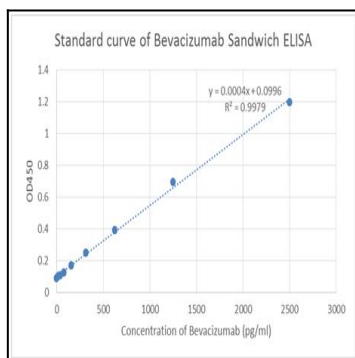


Figure-3 : Standard curve of Bevacizumab Sandwich ELISA, The Bevacizumab Sandwich ELISA assay is developed by using Bevacizumab Antibody (Clone: 30E1)and Biotin conjugated Bevacizumab Antibody (Clone: 46E3) as the capture and detection antibodies respectively, The sensitivity of detecting Bevacizumab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