

**Rabbit anti-human HER2 Monoclonal Antibody**  
**Clone 1B7**      **Catalog Number: R16004M1B7**



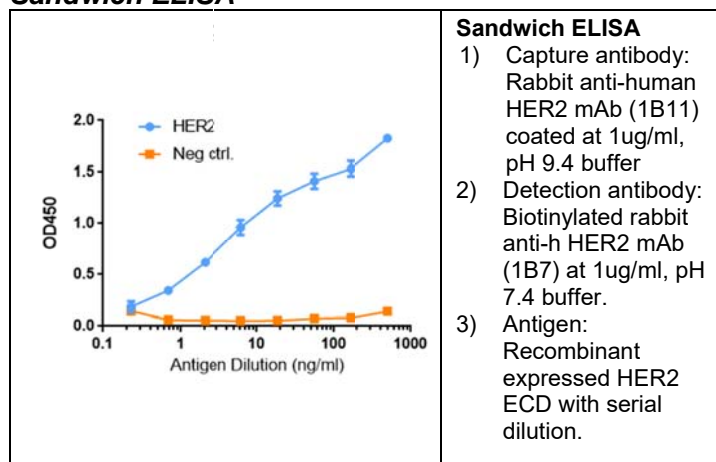
General Information	
<b>Immunogen</b>	recombinant human HER2 extracellular domain
<b>IgG type</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Specificity</b>	Human HER2
<b>Applications &amp; dilution</b>	ELISA 1:1000
<b>Formulation</b>	PBS with 0.09% sodium azide, 50% glycerol, pH7.4.
<b>Purity</b>	≥95% purity by SDS-PAGE
<b>Storage</b>	Store at -20°C. Avoid freeze / thaw cycles.
<b>Abbreviation:</b> ELISA: Enzyme-linked immunosorbent assay; ITA: immunoturbidimetric assay; IP: immunoprecipitation; IHC: immunohistochemistry; IF: immunofluorescence. WB: western blot; nosorbent assay; FC: flow cytometry	

**Preparation**

Monoclonal antibody is produced by immunizing rabbit with recombinant human HER2 extracellular domain and purified using protein A resin.

**Applications**

**Sandwich ELISA**



- Sandwich ELISA**
- 1) Capture antibody: Rabbit anti-human HER2 mAb (1B11) coated at 1ug/ml, pH 9.4 buffer
  - 2) Detection antibody: Biotinylated rabbit anti-h HER2 mAb (1B7) at 1ug/ml, pH 7.4 buffer.
  - 3) Antigen: Recombinant expressed HER2 ECD with serial dilution.

**Background**

HER2 is a member of the human epidermal growth factor receptor (HER/EGFR/ERBB) tyrosine kinase family. Heterodimer of HER2 with other HER family members stimulate cell proliferation and suppress cell apoptosis via a range of downstream signaling pathways. Amplification or over-expression of HER2 has been demonstrated to play a critical role in the development and progression of many aggressive types of tumors. Recently, the protein has become a key biomarker and leading therapeutic target of breast cancer, lung cancer, and etc.

**Storage**

This antibody is shipped at 4 °C. This product is stable for 12 months from date of receipt when stored at -20 °C to -70 °C. Avoid freeze/thaw cycles.

**Hazard/Biohazard**

This antibody contains 0.09% sodium azide as preservative. Please handle and dispose the product properly. No known biohazard is associated with this product.

**For research use only**