

# Anti-Eribulin Mouse IgG2a Antibody (10F8G4)

## Product Information

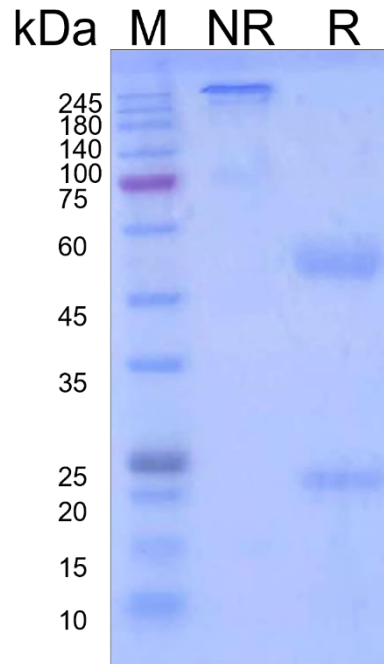
<b>Product Name</b>	Anti-Eribulin Mouse IgG2a Antibody
<b>Storage temp.</b>	Store at 2-8°C short term (1-2 weeks).Store at $\leq -20^{\circ}\text{C}$ long term. Avoid repeated freeze-thaw.
<b>Catalog# / Size</b>	<b>GM-60249AB-100 / 100 <math>\mu\text{g}</math></b> <b>GM-60249AB-1000 / 1 mg</b>

## Antibody Information

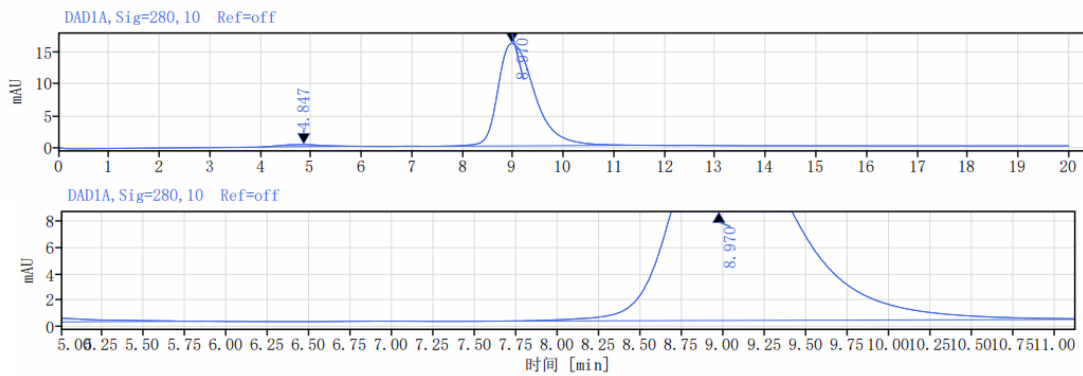
<b>Expression System</b>	CHO
<b>Aggregation</b>	< 5% as determined by SEC-HPLC
<b>Purity</b>	> 95% as determined by SDS-PAGE
<b>Endotoxin</b>	<1EU/mg by LAL
<b>Sterility</b>	0.2 $\mu\text{m}$ Filtered
<b>Target</b>	Eribulin
<b>Clone</b>	10F8G4
<b>Alternative Names</b>	/
<b>Source/Isotype</b>	Monoclonal Mouse IgG2a
<b>Application</b>	ELISA, PK
<b>Description</b>	Eribulin is a synthetic analog of the macrocyclic compound halichondrin B, which has been previously shown to be a potent inhibitor of tubulin polymerization, microtubule assembly, and tubulin-depend GTP hydrolysis. Tubulin makes up dynamic filamentous cytoskeletal proteins called microtubules that are involved in a variety of vital cellular functions, including intracellular migration and transport, cell signaling, the maintenance of cell shape, and cell division. The rapid dividing rate of cancer cells makes them particularly sensitive to the obstruction of tubulin function. As such, halichondrin B and eribulin have demonstrated notable anti-cancer activities in vitro and in vivo.
<b>Formulation</b>	Dulbecco's phosphate-buffered solution, pH 7.4.

## Data Examples

### SDS-PAGE



### SEC-HPLC

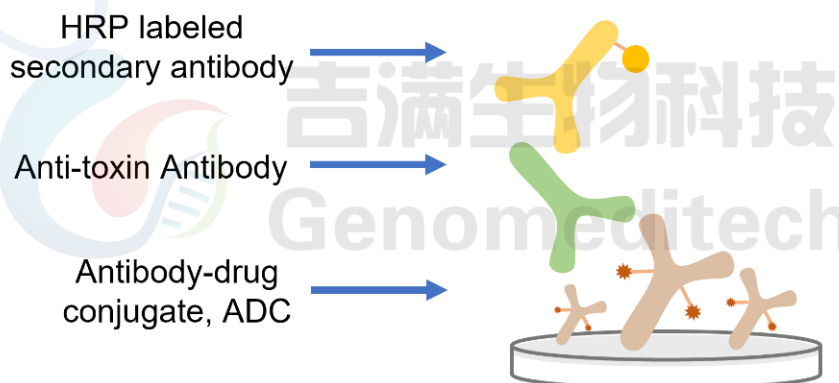
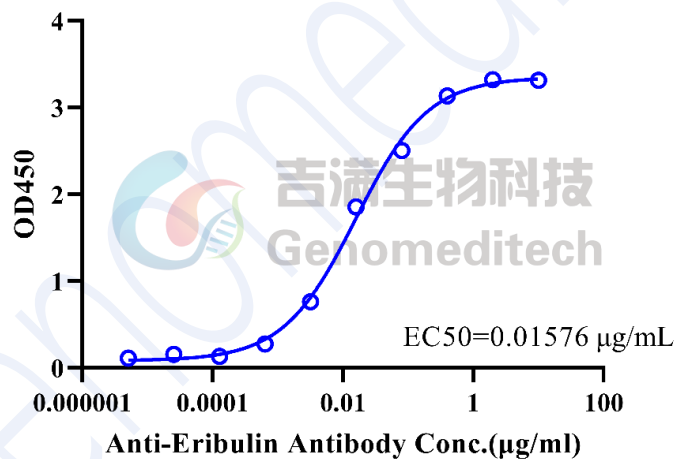


The purity of this product is more than 95% verified by SEC-HPLC

**Indirect  
ELISA**

- Coating 100  $\mu$ L/well Monoclonal Human IgG1 Isotype-Eribulin (Dar4) (Catalog # GM-77424AB), ADC (1  $\mu$ g/mL; PBS dilution) on microplate, store at 4°C overnight.
- Gently remove the liquid, wash the plate several times (2-3) with PBS (pH=7.4). Add 1% BSA (in PBS) to block at room temperature for 1 h.
- Gently remove the liquid, wash the plate several times (2-3) with PBS (pH=7.4). Add 10  $\mu$ g/mL Anti-Eribulin Mouse IgG2a Antibody (Catalog # GM-60249AB) in gradient dilution with 1% BSA, and incubate at room temperature for 2 h.
- Gently remove the liquid, wash the plate several times (2-3) with PBS (pH=7.4). Add HRP-conjugated anti-Mouse igG-Fc mAb (1:2000) and incubate at room temperature for 2 h.
- Gently remove the liquid, wash the plate several times (2-3) with PBS (pH=7.4), add chromogenic solution. After 20 minutes, Appropriate amount of stop solution was added to terminate the reaction.
- Microplate reader to detect the OD450 and analysis the data.
- The EC50 value of Anti-Eribulin Mouse IgG2a Antibody to Monoclonal Human IgG1 Isotype-Eribulin (Dar4) was 0.01576  $\mu$ g/ml.

**Monoclonal Anti-Eribulin Antibody, ELISA**  
**0.1  $\mu$ g of Human IgG1 Isotype-Eribulin (Dar4) per well**



- Competitive ELISA**
- Coating 100  $\mu$ L/well Monoclonal Human IgG1 Isotype-Eribulin (Dar4) (Catalog # GM-77424AB), ADC (1  $\mu$ g/mL; 1% BSA in PBS dilution) on microplate, store at 4°C overnight.
  - Gently remove the liquid, wash the plate several times (2-3) with PBST (pH=7.4). Add 5% Skim Milk (in PBS) to block at room temperature for 1 h.
  - Gently remove the liquid, wash the plate several times (2-3) with PBST (pH=7.4). Add 100  $\mu$ L per well of Anti-Eribulin Mouse IgG2a Antibody (Catalog # GM-60249AB; 1  $\mu$ g/mL; 5% Skim Milk dilution) with serial diluted Eribulin starting from a concentration of 10ug/mL, and incubate at room temperature for 2 h.
  - Gently remove the liquid, wash the plate several times (2-3) with PBST (pH=7.4). Add HRP-conjugated anti-Mouse igG-Fc mAb (1:10000) and incubate at room temperature for 2 h.
  - Gently remove the liquid, wash the plate several times (2-3) with PBST (pH=7.4), add chromogenic solution. After few minutes (in this assay was 20 minutes), Appropriate amount of stop solution was added to terminate the reaction.
  - Microplate reader to detect the OD450 and analysis the data.

