

# HER3 / ErbB3 Neutralizing Antibody



Sino Biological  
Biological Solution Specialist

Catalog Number: 10201-MA24

General Information	
Immunogen:	Recombinant Human HER3 / ErbB3 Protein (Catalog#10201-H08H)
Clone ID:	MA24
Ig Type:	Mouse IgG1
Applications:	Neutralization
Specificity:	Human HER3 / ErbB3
Formulation:	0.2 µm filtered solution in Histidine and Arginine buffer containing 120mM NaCl, 0.02% Tween 80, pH6.0
Storage:	< -20°C

## Preparation

This antibody was obtained from a mouse immunized with purified, recombinant Human HER3 / ErbB3 (rh HER3 / ErbB3; Catalog#10201-H08H; NP\_001973.2; Met1-Thr643) and was produced using recombinant antibody technology.

## Specificity

Human HER3 / ErbB3

**Has cross-reactivity** with Rhesus ErbB3 (Catalog#90043-K08H) in ELISA assay

**No cross-reactivity** with Mouse ErbB3 (Catalog#51003-M08H) and Rat ErbB3 (Catalog#80111-R08H) in ELISA assay.

## Storage

This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. **Preservative-Free.**

Sodium azide is recommended to avoid contamination (final concentration 0.05%-0.1%). It is toxic to cells and should be disposed of properly. **Avoid repeated freeze-thaw cycles.**

## Applications

**Block** – In a functional ELISA which immobilized recombinant Human NRG1/Fc Chimera (Catalog# 11609-H01H2) at 5 µg/mL (100 µL/well) in the plate, the Mouse Anti-Human ErbB3 Monoclonal Antibody (Catalog# 10201-MA24) can block the binding of 1 µg/mL of biotinylated Human ErbB3 (Catalog# 10201-H08H-B) to Human NRG1/Fc Chimera, the EC50 is 3.38 µg/mL.

**Neutralization** – The neutralization activity of ErbB3 neutralizing antibody is Measured by its ability to neutralize NRG1-β1/HRG1-β1-induced proliferation in the MCF-7 human breast cancer cell line. Recombinant Human NRG1-1β1/HRG1-1β1 stimulates proliferation in the MCF-7 human breast cancer cell line. Proliferation elicited by Recombinant Human NRG1-1β1/HRG1-1β1 (40 ng/mL) is neutralized by increasing concentrations of Human ErbB3/Her3 Monoclonal Antibody (Catalog#10201-MA24).

Character	Method	Result
Specificity	ELISA	Human HER3 / ErbB3 (Catalog#10201-H08H)
Antibody concentration	UV	> 1 mg/mL
Aggregation	SEC-HPLC	< 5% aggregation
Purity	SDS-PAGE	> 95%
Endotoxin	LAL gel clotting	< 3 EU/mg

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