

Anti-ERBB1/EGFR/HER1 Antibody (Zalutumumab)

Introduction

Zalutumumab is a high-affinity, pure human IgG1 monoclonal antibody that targets EGFR. Zalutumumab binds to domain III of the epidermal growth factor receptor and exerts its effects by blocking the binding of epidermal growth factor and interfering with the receptor's active conformation. The EC₅₀ values of zalutumumab for IgG and its Fab fragment are 7 and 19 nM, respectively. Zalutumumab can be used in cancer research.

Product parameters

Alternative Names	HuMax-EGFR, 2F8
Target Accession	P00533
Target	ERBB1 / EGFR / HER1
CAS number	667901-13-5
Molecular Weight	146.52 kDa
Host	CHO
Reactivity	Human
Conjugation	Unconjugated
Form	Liquid
Concentration	See label
Buffer System	100 mM Pro 20 mM Arg pH 5.0. No preservative!
Clonality	Monoclonal
Purification	Protein A
Isotype	IgG1
Application	ELISA, FACS, Kinetics, Functional assay, Animal Model
Biological activity	Immobilized human EGFR His at 2 ug/mL can bind Anti-ERBB1/EGFR/HER1 Antibody (Zalutumumab), EC ₅₀ =0.01018 ug/mL.
Endotoxin	Less than 0.1 EU/ug determined by LAL method.
Sterilization	0.2 µM filtered
Reconstitution	For reconstitution, we recommend adding sterile, distilled water to achieve a final antibody concentration. Gently shake it to solubilize the protein completely. Do not vortex.
Shipping	Dry ice
Storage	-80°C
Expiration Date	2 years
Note	Please avoid freeze-thaw cycles.

■ Note

1. This product is for scientific research use only.



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