

Monoclonal Anti-Human Pertuzumab Antibody, Mouse IgG1 (4D9) (MALS verified)

Catalog # HPB-Y2506



Source

Monoclonal Anti-Human Pertuzumab Antibody, Mouse IgG1 (4D9) is a Mouse monoclonal antibody produced from a hybridoma created by fusing SP2/0 myeloma and Mouse B-lymphocytes.

Clone

4D9

Species

Mouse

Isotype

Mouse IgG1 | Mouse Kappa

Conjugate

Unconjugated

Antibody Type

Hybridoma Monoclonal

Reactivity

Human

Immunogen

Recombinant Human Pertuzumab is expressed from human 293 cells

Specificity

Specifically recognizes Human Pertuzumab; This antibody is a neutralizing antibody.

Application

Application	Recommended Usage
ELISA	10-1250 ng/mL

Purity

95% as determined by SDS-PAGE.

90% as determined by SEC-MALS.

Purification

Protein A purified / Protein G purified

Formulation

Supplied a 0.22 μ m-filtered solution in PBS, pH7.4, with trehalose as protectant.

Please contact us for customized product forms or formulations.

Shipping

This product is supplied and shipped with dry ice, please inquire the shipping cost.

Storage

Please avoid repeated freeze-thaw cycles.

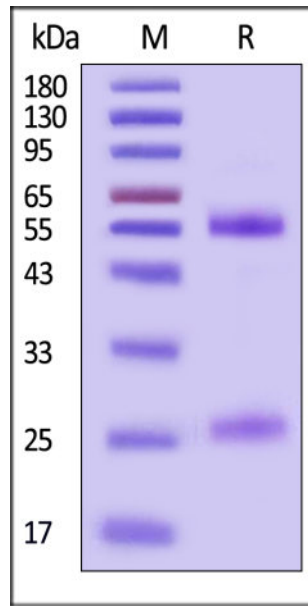
This product is stable after storage at:

- The product **MUST** be stored at -70°C or lower upon receipt;
- -70°C for 12 months under sterile conditions.

ACRO Quality Management System

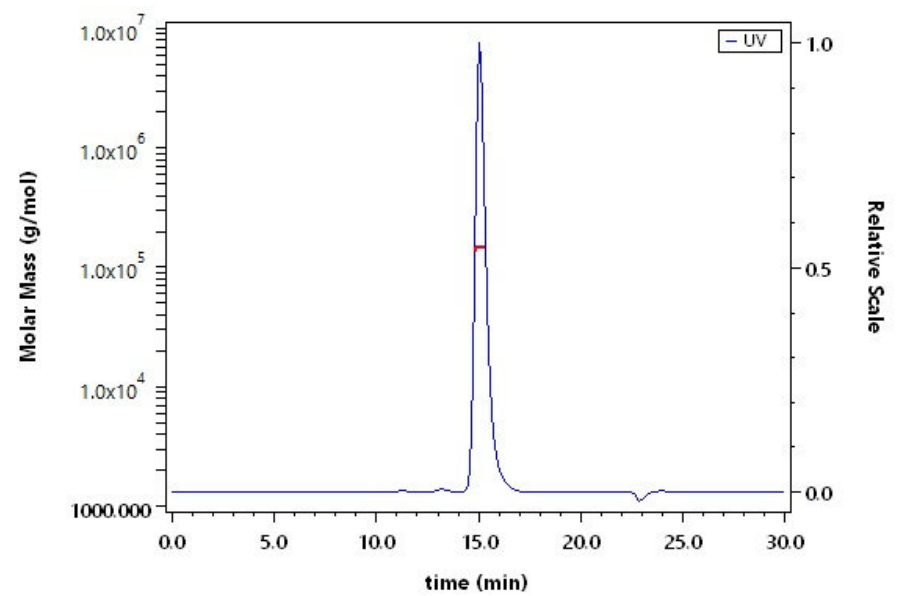
- [QMS\(ISO, GMP\)](#).
- [Quality Advantages](#)
- [Quality Control Process](#)

SDS-PAGE



Monoclonal Anti-Human Pertuzumab Antibody, Mouse IgG1 (4D9) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95% (With [Star Ribbon Pre-stained Protein Marker](#)).

SEC-MALS

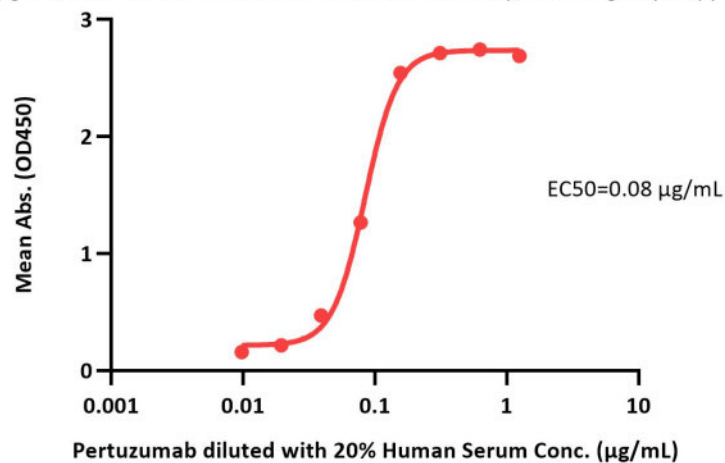


The purity of Monoclonal Anti-Human Pertuzumab Antibody, Mouse IgG1 (4D9) (Cat. No. HPB-Y2506) is more than 90% and the molecular weight of this protein is around 130-160 kDa verified by SEC-MALS.

Bioactivity-ELISA

Monoclonal Anti-Human Pertuzumab Antibody, Mouse IgG1 (4D9)-Bridging ELISA

0.5 µg of Monoclonal Anti-Human Pertuzumab Antibody, Mouse IgG1 (4D9) per well



Immobilized Monoclonal Anti-Human Pertuzumab Antibody, Mouse IgG1 (4D9) (Cat. No. HPB-Y2506) at 5 µg/mL, add Pertuzumab in the 20% Human Serum and then add Biotinylated Monoclonal Anti-Human Pertuzumab Antibody, Mouse IgG1 (5D1) (Cat. No. PEB-BLY2507) at 2 µg/mL. Detection was performed using HRP-conjugated Streptavidin (Acro, Cat. No. STN-NH913) (QC tested).

Background

Pertuzumab (brand name Perjeta), a recombinant humanized monoclonal antibody developed by Roche/Genentech, targets HER2's extracellular dimerization domain. It is indicated for HER2-positive breast cancer (early neoadjuvant/adjuvant, metastatic) in combination with trastuzumab and chemotherapy. Its mechanism blocks HER2 heterodimerization, inhibiting downstream signaling and inducing apoptosis.

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