

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

Catalog # HPB-MY2506



Source

Chimeric Monoclonal Anti-Pertuzumab Antibody, Mouse IgG1 (4D9) is recombinantly expressed in HEK293. It consists of mouse variable regions genetically fused to mouse IgG1 constant domains.

Antibody Type

Recombinant Monoclonal

Clone

4D9

Isotype

Mouse IgG1, Kappa

Host Species

Mouse

Specificity

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

Application

Application	Recommended Use / Performance
PK Assay Development	Recommended for use as the capture antibody in a sandwich ELISA for Pertuzumab quantification during PK assay development, paired with biotinylated Anti-Pertuzumab Antibody (7G7) as the detection antibody. <i>(Optimal antibody concentrations and assay conditions should be determined empirically for each application)</i>

Purification

Protein A purified.

Aggregation

Less than 5%, as determined by SEC-MALS.

Concentration

Please refer to the Certificate of Analysis (CoA).

Form

Lyophilized

Formulation

Lyophilized from a 0.22 µm-filtered solution in PBS (pH 7.4), with trehalose as protectant.

Please contact us for customized product forms or formulations.

Reconstitution

Please refer to the Certificate of Analysis (CoA) for specific instructions.

Shipping

Lyophilized product is shipped at ambient temperature.

Storage

For long term storage, the product should be stored in a lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

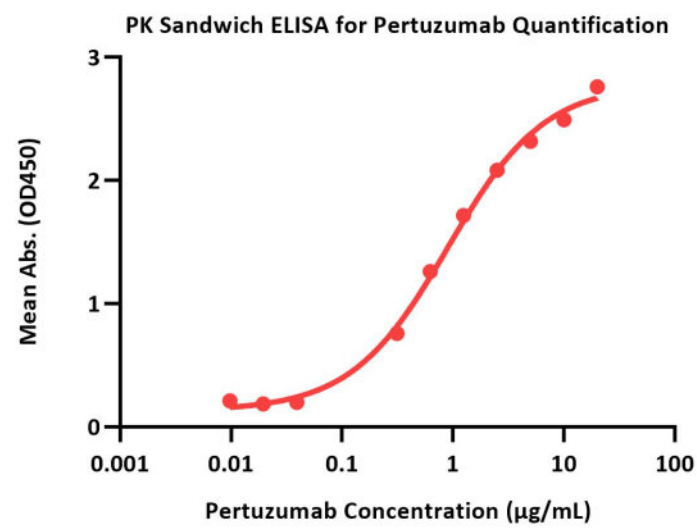
- 20°C to -70°C for 12 months in lyophilized state;
- 70°C for 3 months under sterile conditions after reconstitution.

Notices

ACRO Quality Management System

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

Bioactivity-ELISA



Pertuzumab was quantified using a PK sandwich ELISA with Anti-Pertuzumab Antibody (4D9) (Cat. No. HPB-MY2506) at 5 µg/mL as the capture antibody and biotinylated Anti-Pertuzumab Antibody (7G7) at 1 µg/mL as the detection antibody. Detection was performed using HRP-conjugated streptavidin (QC tested).

Background

Pertuzumab is a human epidermal growth factor receptor 2 (HER2/ErbB2) binding humanized monoclonal antibody. Pertuzumab is composed of the Fv (variable; antigen-binding) regions of the 2C4 murine HER2 monoclonal antibody specific for the extracellular dimerization domain (subdomain II) of human HER2 with human IgG1 heavy and kappa light chain constant (framework) regions.



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