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Human PTK7 Monoclonal Antibody

Catalog No.: YR0160

Basic Information

Molecular Weight
150 kDa

Endotoxin
<1EU/mg (<0.001EU/μg)Determined by LAL gel clotting assay

Sterility
0.2 μm filtration

Aggregation
<5% Determined by SECP

Purity
>95% Determined by SDS-PAGE

Background

What is cofetuzumab biosimilar research grade? Cofetuzumab is a humanized IgG1-kappa monoclonal antibody against PTK7, which is a tumor-associated antigen (TAA) and overexpressed on a variety of cancer cells. Cofetuzumab pelidotin is an antibody-drug conjugate (ADC) composed of cofetuzumab linked, via a cleavable valine-citrulline linker, to an analog of the auristatin microtubule inhibitor dolastatin 10, auristatin-0101, with potential antineoplastic activity. Upon administration, cofetuzumab pelidotin targets and binds to PTK7 expressed on tumor cells. Upon binding, internalization and cleavage, auristatin-0101 binds to tubulin and inhibits its polymerization, resulting in G2/M phase arrest and apoptosis of PTK7-expressing tumor cells. Cofetuzumab biosimilar uses the same protein sequences as the therapeutic antibody cofetuzumab.

Reported Applications

ELISA,neutralization,functional assays such as bioanalytical PK and ADA assays,and those assays for studying biological pathways

Immunogen Information

Clone
Cofetuzumab Biosimilar

Isotype
Human IgG1 kappa

Immunogen
Human PTK7

RecommendedIsotype Control(s)
In Vivo Grade Recombinant Human IgG1 Kappa Isotype Control Antibody

Recommended Dilution Buffer
1×PBS pH 7.4

Contact

400-999-6126

cn.market@abclonal.com.cn

www.abclonal.com.cn

Product Information

Production
Purified from cell culture supernatant in an animal-free facility

Purification
Protein A or G purification

Storage
Store at -20℃