

Anti-HER2-DM1 ADC(Dar4)[Trastuzumab emtansine,T-DM1]

Product Information

Product Name	Anti-HER2-DM1 ADC(Dar4)[Trastuzumab emtansine,T-DM1]
Storage temp.	Store at +4°C short term. Store at -20°C or -80°C long term, avoiding freeze/thaw cycles.
Catalog# / Size	GM-81146AB-1mg / 1 mg GM-81146AB-5mg / 5 mg GM-81146AB-25mg / 25 mg GM-81146AB-50mg / 50 mg GM-81146AB-100mg / 100 mg

Antibody Information

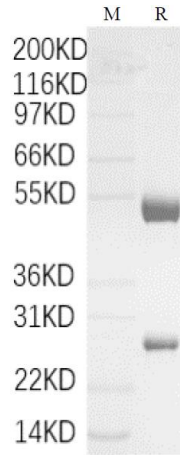
Expression System	CHO
Aggregation	< 5% as determined by SEC-HPLC
Purity	> 95% as determined by SDS-PAGE
Drug-to-Antibody Ratio (DAR)	4
Endotoxin	<1 EU/mg, determined by LAL gel clotting assay
Sterility	0.22 µm Filtered
Target	HER2
Clone	Trastuzumab emtansine,T-DM1
Alternative Names	CD340, HER-2, HER-2/neu, ERBB2, MLN 19, NEU, NGL, TKR1, VSCN2, c-ERB-2, c-ERB2
Source/Isotype	Human IgG1 (KEEM),Kappa
Application	Negative control
Description	Human epidermal growth factor 2 is also known as erbB-2 and Neu; it is a member of the ErbBs or type I receptor tyrosine kinase family, which also includes the epidermal growth factor receptor 1 (EGFR or HER1), erbB-3 (HER3), and erbB-4 (HER4). Amplification of the ErbB2 gene and overexpression of its product are detected in almost 40% of human breast cancers. Binding of the c-Cbl ubiquitin ligase to ErbB2 at Tyr1112 leads to ErbB2 poly-ubiquitination and enhances degradation of this kinase. ErbB2 is a key therapeutic target in the treatment of breast cancer and other carcinomas and targeting the regulation of ErbB2 degradation by

the c-Cbl-regulated proteolytic pathway is one potential therapeutic strategy.

Formulation

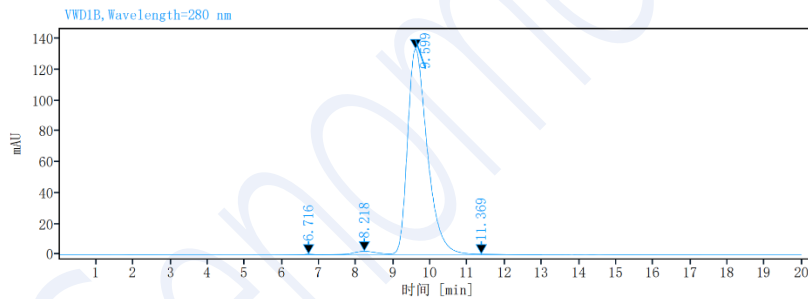
Dulbecco's phosphate-buffered saline, pH 7.4

SDS-PAGE



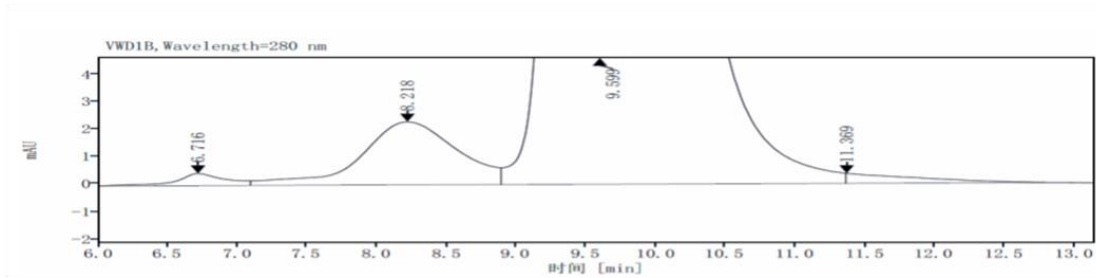
After SDS-PAGE under reducing conditions, the gel was stained with Coomassie Blue overnight. The purity of the protein is greater than 95%.

SEC-HPLC



The purity of this product is more than 95% verified by SEC-HPLC.

RP-HPLC



The drug-to-antibody ratio (DAR) of this product is 3.61