



Tools for ADC Pharmacokinetic Research

— Anti-payload Antibodies

Antibody-drug conjugates (ADC) are an innovative approach to cancer treatment that achieve highly precise targeting and destruction of tumor cells by conjugating cytotoxic drugs (payloads) with monoclonal antibodies. Pharmacokinetics (PK) is a critical component of the ADC drug development lifecycle.

GenScript offers a range of high-quality, highly specific anti-payload antibodies, along with anti-idiotypic antibodies, PK and ADA assay kits, target proteins, and target cell lines for ADC drug development. These products provide powerful tools and effective support for PK analysis in the ADC drug development process.

Key Features



High Specificity

Accurately identifies target payload molecules with no cross-reactivity, supporting both free and conjugated form detection.



High-Quality Performance

Wide detection range, excellent linearity, and high sensitivity

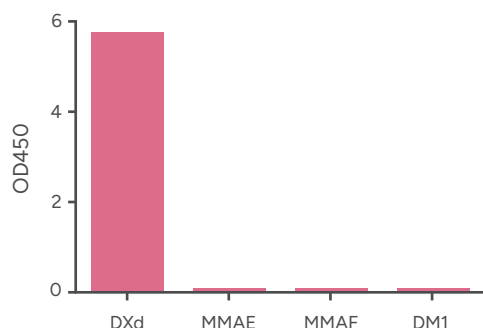


Rigorous Validation and Compliance

In Reference to the ICH M10 Guideline

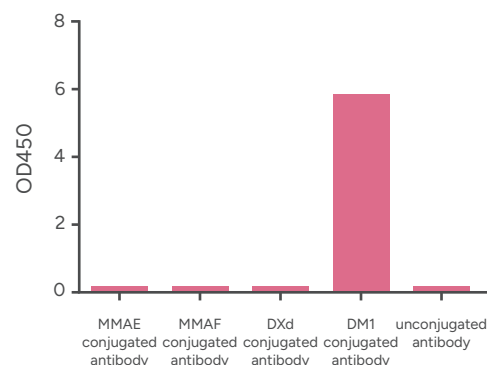
High Specificity

ELISA Binding Assay of DXd Antibody (39F4) to Different Payloads



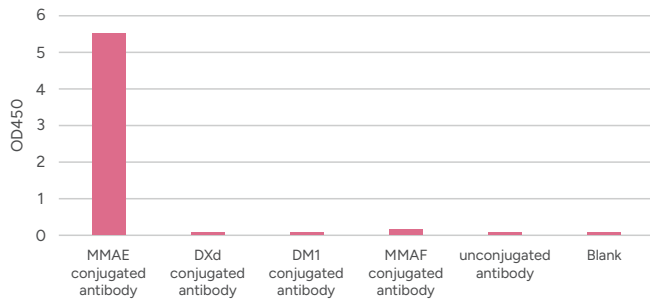
DXd Antibody (39F4) (Cat. No. A02217) specifically recognizes DXD without cross-reactivity with MMAE, MMAF, or DM1.

ELISA Binding Assay of DM1 Antibody (15L2) to Different Payloads Conjugated Antibodies



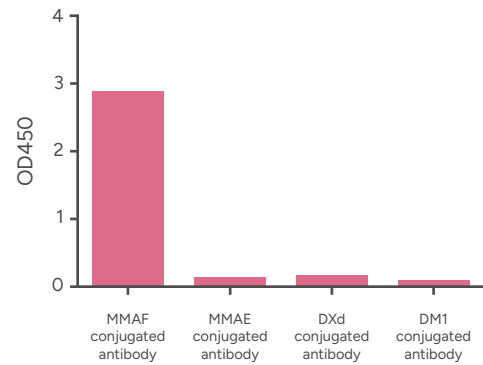
DM1 Antibody (15L2) (Cat. No. A02223) specifically recognizes DM1 without cross-reactivity with MMAE, MMAF, DXD, or unconjugated antibodies.

ELISA Binding of MMAE Antibody (69F7) to Different Payloads Conjugated Antibodies Respectively



MMAE Antibody (69F7) (Cat. No. A02224) Specifically recognizes MMAE without cross-reactivity with Dxd, DM1, MMAF, or unconjugated antibodies.

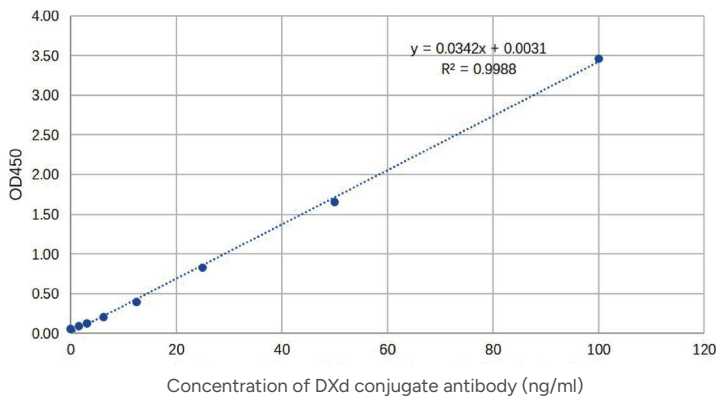
ELISA Binding Assay of MMAF Antibody (11B8) to Different Payloads Conjugated Antibodies



MMAF Antibody (11B8) (Cat. No. A02225) specifically recognizes MMAF without cross-reactivity with MMAE, Dxd, or DM1.

► Application 1: Determination of Conjugated Antibody Concentration Using Anti-Payload and Anti-Idiotypic Antibodies

Standard curve of DXd conjugated antibody Sandwich ELISA by Anti-Trastuzumab Antibody (15H2) and DXd Antibody (39F4)

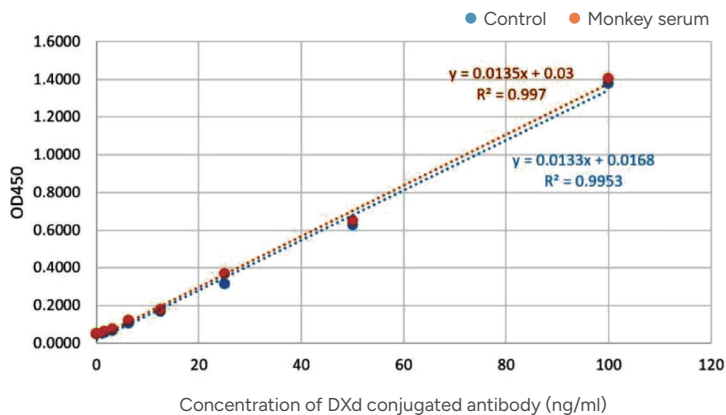


Standard curve of DXd-conjugated trastuzumab was measured by sandwich ELISA using anti-idiotypic antibody and anti-DXd antibody.

Capture Antibody: Anti-Trastuzumab Antibody (15H2), mAb, Mouse (GenScript, A02033)
Detection Antibody: DXd Antibody (39F4), mAb, Mouse (GenScript, A02217)

► Application 2: Determination of Conjugated Antibody Concentration Using Anti-Payload Antibodies and Anti-Human IgG Fc Antibodies

Standard curve of DXd conjugated antibody Sandwich ELISA by Anti-Human IgG Fc Antibody and A02217 in monkey serum



Standard curve for measuring DXd-conjugated trastuzumab concentration in monkey serum using sandwich ELISA with anti-human IgG Fc antibody and anti-DXd antibody

Capture Antibody: DXd Antibody (39F4), mAb, Mouse (GenScript, A02217)
Detection Antibody: Mouse Anti-Human IgG Fc Antibody (50B4A9) [HRP], mAb (GenScript, A01854)
Sample: DXd-Conjugated Trastuzumab

Product Lists

Anti-Payload Antibodies

Cat. No.	Product Name
A02217	DXd Antibody (39F4), mAb, Mouse
A02223	DM1 Antibody (15L2), mAb, Mouse
A02224	MMAE Antibody (69F7), mAb, Mouse
A02225	MMAF Antibody (11B8), mAb, Mouse

Pharmacokinetic ELISA Kits

Cat. No.	Product Name
L00972	DXd ADC Pharmacokinetic ELISA Kit
L00991	MMAE ADC Pharmacokinetic ELISA Kit
L00968	Pembrolizumab Pharmacokinetic ELISA Kit
L00969	Bevacizumab Pharmacokinetic ELISA Kit
L00970	Trastuzumab Pharmacokinetic ELISA Kit
L00978	Pertuzumab Pharmacokinetic ELISA Kit

Immunogenicity ELISA Kits

Cat. No.	Product Name
L00971	Pembrolizumab Immunogenicity Kit (Bridging ELISA)
L00979	Pertuzumab Immunogenicity Kit (Bridging ELISA)
L01007	Trastuzumab Immunogenicity Kit (Bridging ELISA)

Anti-Idiotypic Antibodies

Drug Name	Idiotypic Product Cat.No.
Abatacept	A02262, A02263
Adalimumab	A01954, A01955, A01956, A01921, A01922, A01923, A01886
Atezolizumab	A01948, A01949, A01950, A01984, A01985, A01986
Avelumab	A02121, A02120
Bevacizumab	A01975, A01976, A01977, A01895, A01962, A01896, A01887
Certolizumab pegol	A02268, A02269
Cetuximab	A01939, A01938, A01991, A01992, A01993
Daratumumab	A01996, A01997, A01998, A02009
Denosumab	A02101, A02102
Dupilumab	A02098, A02097, A02062
Durvalumab	A02029, A02030, A02031, A02010

Anti-Idiotyp Antibodies

Drug Name	Idiotype Product Cat.No.
Eculizumab	A02115, A02116
Etanercept	A02114, A02113
Golimumab	A02093
Infliximab	A02040, A02041, A02061
Ipilimumab	A01859, A01961, A01858
Ixekizumab	A02264, A02265
Nivolumab	A01847, A01965, A01848, A01987, A01988, A01989, A01990, A01931
Obinutuzumab	A01945, A01946, A01947, A01966, A01967, A01968, A01933
Ocrelizumab	A02258, A02259
Omalizumab	A02095, A02094, A02096, A02060
Palivizumab	A02112, A02111, A02064
Panitumumab	A02100, A02099, A02063
Pembrolizumab	A01844, A01845, A02008, A02007, A01960, A01853, A01846
Pertuzumab	A02150, A02151, A02208, A02209
Ranibizumab	A02035, A02036, A02037
Rituximab	A01969, A01970, A01971, A01942, A01943, A01944, A01918
Sarilumab	A02042, A02043, A02044, A02122
Secukinumab	A02152, A02153
Teclistamab	A02253, A02254
Tocilizumab	A01978, A01979, A01980, A01932
Trastuzumab	A02032, A02033
Ustekinumab	A02118, A02117, A02119, A02123
Zolbetuximab	A02260, A02261
Mosunetuzumab	A02290, A02291, A02292
Lecanemab	A02270, A02271
Evolocumab	A02293, A02294
Muromonab/OKT3	A02312, A02313
Risankizumab	A02321, A02322
Vedolizumab	A02324, A02325, A02326

Target Proteins

Target	Product Name	Cat. No.
CD3	CD3E&CD3D/CD3 epsilon&CD3 delta, His, Human	Z03816
	CD3E/CD3 epsilon hFc Chimera, Human	Z03991
	CD3E/CD3 epsilon, His, Human	Z04007
	CD3E&CD3G/CD3 epsilon&CD3 gamma hFc Chimera, Human	Z03989
	CD3E&CD3G/CD3 epsilon&CD3 gamma, His, Human	Z03988
	CD3E&CD3D/CD3 epsilon&CD3 delta hFc Chimera, Human	Z03987
EGFR	EGFR/HER1, His, Rhesus macaque	Z03923
	EGFR/HER1, His, Mouse	Z03922
	EGFR/HER1[FITC], His & Avi, Human	Z03921
	EGFR/HER1[Biotin], His & Avi, Human	Z03920
	EGFR/HER1, His & Avi, Human	Z03918
	EGFR/HER1 hFc Chimera, Human	Z03919
Her2	Her2/ErbB2, His & Avi, Human	Z03806
	Her2/ErbB2, His, Mouse	Z03904
	Her2/ErbB2, His, Cynomolgus	Z03903
	Her2/ErbB2 Domain 4[Biotin], His & Avi, Human	Z03902
	Her2/ErbB2[Biotin], His & Avi, Human	Z03901
	Her2/ErbB2 Domain 4, His & Avi, Human	Z03899
	Her2/ErbB2 (S310F), His, Human	Z03898
	Her2/ErbB2 hFc Chimera, Human	Z03900
Trop2	TROP-2/TACSTD2, His, Human	Z03807
	TROP-2/TACSTD2, His, Rat	Z03844
	TROP-2/TACSTD2, His, Mouse	Z03843
	TROP-2/TACSTD2, His, Cynomolgus	Z03842
	TROP-2/TACSTD2[Biotin], His & Avi, Human	Z03841
	TROP-2/TACSTD2 hFc Chimera, Human	Z03840
CLDN18.2	CLDN18.2, His, Human	Z03504

Target Cell Lines

Target	Cell Name	Cat. No.
B7-H3	CHO-K1/B7-H3	M00536
Claudin18.2	CHO-K1/CLDN18.2	M00916
CD20	CHO-K1/CD20	RD00803
CD19	CHO-K1/CD19	RD00804
GPC3	CHO-K1/GPC3	RD00811
GPC3	CHO-K1/Cyno GPC3	RD00880
ROR1	CHO-K1/ROR1	RD00843
TROP2	CHO-K1/TROP2	RD00906
CEACAM5	CHO-K1/CEACAM5	RD00943
CEACAM5	CHO-K1/Cyno CEACAM5	RD00944
DLL3	CHO-K1/DLL3	RD00952

Secondary Antibodies

Product Name	Cat. No.
Human Kappa Light Chain	V06801
Human Lambda Light Chain	V06901
Mouse Anti-Human IgG Fc Antibody (50B4A9), mAb	A02257
Mouse Anti-Human IgG Fc Antibody (50B4A9)[HRP], mAb	A01854
Mouse Anti-Human IgG Fab Antibody (12H3C4A6)[HRP], mAb	A01855