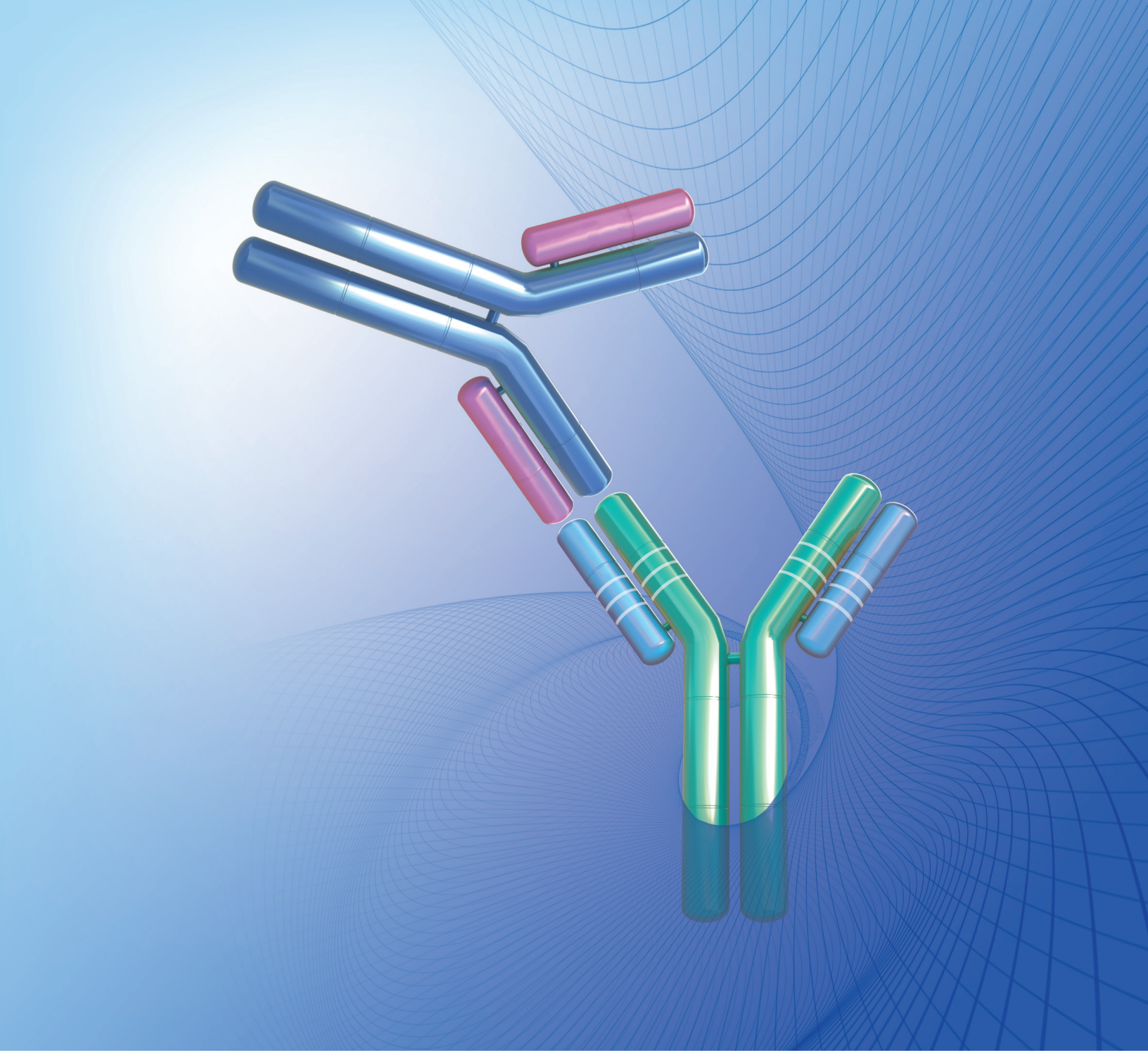


Anti-idiotype Antibodies

Support PK and immunogenicity study of biosimilars

GenScript
Make Research Easy

Anti-idiotype antibodies

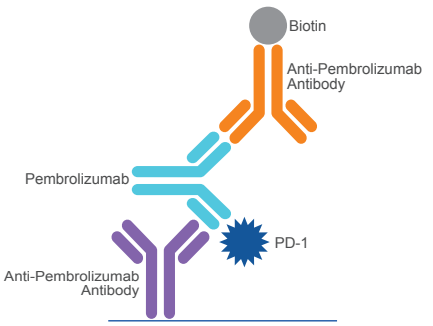
An antibody that binds to the idiotype (variable region) of another antibody is called an anti-idiotype antibody (anti-ID Abs). This feature can be used to measure therapeutic antibody concentration in pre-clinical and clinical studies. When a patient is treated with an antibody drug, a severe immune response might occur and result in devastating consequences in the body. Anti-idiotype antibodies are also commonly used as a reference standard for antibody drug immunogenicity (immune response, IR) studies. GenScript's catalog of anti-ID Abs will help support your development of biosimilars, providing patients with affordable alternatives to innovative drugs currently on the market.

Application

- Pharmacokinetic (PK) studies: Used to measure the drug level in patient samples
- Immunogenicity (anti-drug antibody, ADA) assays: Used as a positive control or reference standard

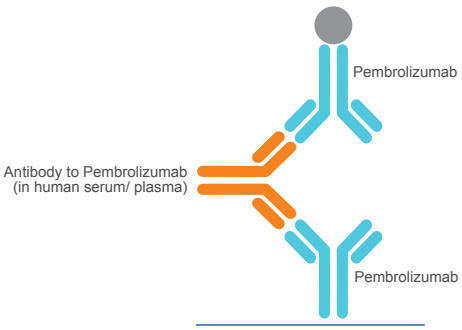
Features

- Anti-ID pairs available for sandwich ELISA
- Broad detection range and accurate concentration result
- MonoRab™ rabbit monoclonal antibody is perfect for picomolar-level immunoassay sensitivity



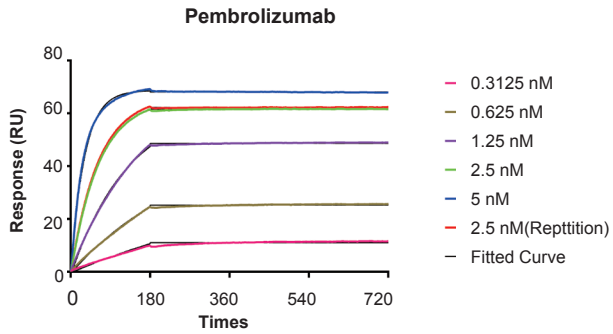
Schematic image of total Pembrolizumab or the biosimilar (free, partially bound, fully bound) PK study.
The assay was developed by using Anti-Pembrolizumab Antibody, mAb, Mouse (Cat.No. A01844) as capture antibody and the biotin conjugated (Cat.No. A01845) as the detection antibody.

Sensitivity	0.295 ng/ml
Detection Range	1.56-100 ng/ml
Test Samples	Human serum/plasma, mouse serum/plasma

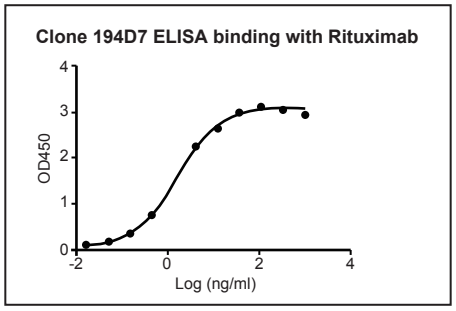


Schematic image of Pembrolizumab or the biosimilar immunogenicity assay.
Anti-Pembrolizumab Antibody, pAb, Rabbit (Cat.No. A01846) can be used as positive control for the standard curve.

Sensitivity	0.20 ng/ml
Detection Range	1.56-100 ng/ml
Test Samples	Human serum/plasma (EDTA), mouse serum, rat serum/plasma (heparin), rabbit serum/plasma (heparin)

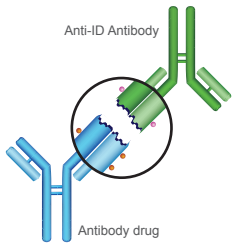


Affinity of MonoRab™ Anti-Pembrolizumab Antibody (90G12F8), mAb, Rabbit (Cat.No. A01853) , Kd < 10^{-12}M



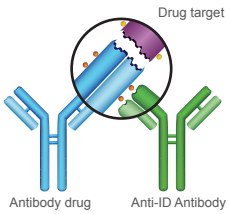
MonoRab™ Anti-Rituximab Antibody (194D7), mAb, Rabbit (Cat.No. A01943-40) : dilution starting from 1,000 ng/ml
Coating antigen: Rituximab, 1 μg/ml, EC_{50}= 1.618 ng/ml
The antibody does not recognize the human IgG Fc fragment (data not shown).

Product Type



Antigen-blocking

Type 1 Antigen-blocking
Feature Paratope-specific
Application Detects free drug



Non-blocking

Type 2 Non-blocking
Feature Not paratope-specific
Application Detects total drug (free, bound and partly bound drugs)

Product List

Drug Target	Antibody	Clonality	Clone ID	Host	Label	Cat. No
PD-1	Anti-Pembrolizumab	pAb		Rabbit		A01846-40
		mAb	1D6E10	Mouse		A01844-40
		mAb	10E12C6	Mouse	Biotin	A01845-40
		mAb	90G12	Rabbit		A01960-40
		mAb	90G12F8	Rabbit	Biotin	A01853-40
	Anti-Nivolumab	pAb		Rabbit		A01931-40
		mAb	8G6G3D8	Mouse		A01847-40
		mAb	6G5	Mouse		A01965-40
		mAb	6G5H2E6	Mouse	Biotin	A01848-40
PD-L1	Anti-Atezolizumab	mAb	10G9	Mouse		A01948-40
		mAb	6B12	Mouse		A01949-40
		mAb	6B12	Mouse	Biotin	A01950-40
CTLA-4	Anti-Ipilimumab	mAb	26B6H7D9	Mouse		A01859-40
		mAb	4H6	Mouse		A01961-40
		mAb	4H6E1D4	Mouse	Biotin	A01858-40

Drug Target	Antibody	Clonality	Clone ID	Host	Label	Cat. No
CD20	Anti-Rituximab	pAb		Mouse		A01918-40
		mAb	6C1	Mouse		A01969-40
		mAb	17B6	Mouse		A01970-40
		mAb	17B6	Mouse	Biotin	A01971-40
		mAb	137C6	Rabbit		A01942-40
		mAb	194D7	Rabbit		A01943-40
		mAb	194D7	Rabbit	Biotin	A01944-40
	Anti-Obinutuzumab	pAb		Rabbit		A01933-40
		mAb	18H8	Mouse		A01945-40
		mAb	16B7	Mouse		A01946-40
		mAb	16B7	Mouse	Biotin	A01947-40
		mAb	8G12	Rabbit		A01966-40
		mAb	169F10	Rabbit		A01967-40
		mAb	169F10	Rabbit	Biotin	A01968-40
EGFR	Anti-Cetuximab	mAb	18D5	Mouse		A01938-40
		mAb	20H1	Mouse		A01939-40
IL-6	Anti-Tocilizumab	pAb		Rabbit		A01932-40
		mAb	14B10	Mouse		A01978-40
		mAb	6C10	Mouse		A01979-40
		mAb	6C10	Mouse	Biotin	A01980-40
TNFα	Anti-Adalimumab	pAb		Rabbit		A01886-40
		mAb	15C7	Mouse		A01954-40
		mAb	3C2	Mouse		A01955-40
		mAb	3C2	Mouse	Biotin	A01956-40
		mAb	134D5	Rabbit		A01922-40
		mAb	196F3	Rabbit		A01923-40
		mAb	4E12	Rabbit		A01921-40
VEGF-A	Anti-Bevacizumab	pAb		Rabbit		A01887-40
		mAb	4H1	Mouse		A01975-40
		mAb	6C3	Mouse		A01976-40
		mAb	6C3	Mouse	Biotin	A01977-40
		mAb	30E1	Rabbit		A01895-40
		mAb	46E3	Rabbit		A01962-40
		mAb	46E3	Rabbit	Biotin	A01896-40

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