S

Human Anti-SARS-CoV-2 Spike-RBD Imdevimab (REGN10987) Neutralizing mAb

Catalog No.	CPC512A CPC512B	**Quantity:**	50 µg 100 µg
Alternate Names:	Spike glycoprotein, S glycoprotein receptor binding domain, S-RBD, REGN10987, Imdevimab		
Description:	Recombinant Human anti-SARS-CoV-2 Spike Protein Receptor Binding Domain, Casirivimab Clone REGN10987, is expressed in XtenCHO. REGN10987was originally isolated from a humanized mouse immunized with SARS-CoV-2 Spike RBD protein. Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) is an enveloped, positive-sense, single-stranded RNA virus that causes coronavirus disease 2019 (COVID -19). The structural proteins of SARS-CoV-2 include the envelope protein (E), spike or surface glycoprotein (S), membrane protein (M) and the nucleocapsid protein (N). The spike glycoprotein is found on the outside of the virus particle and gives coronavirus viruses their crown-like appearance. Surface glycoprotein is an important target for vaccine development, antibody therapies and diagnostic antigen-based tests.		
UniProt ID:	P0DTC2		
Immunogen:	Recombinant SARS-CoV-2 Spike-RBD protein		
Specificity:	Recognizes SARS-CoV-2 Spike-RBD protein		
Bioactivity:	EC_{50} = 98.17 ng/ml with SARS-CoV-2 Spike-RBD		
Source:	XtenCHO		
Purity:	> 95% by reduced and non-reduced SDS-PAGE		
Isotype:	Human IgG1 lambda		
Clone:	REGN10987 (Imdevimab)		
Concentration:	1.0 mg/ml, lot specific		
Formulation:	Sterile-filtered PBS, pH 7.5 preservative free.		
Purification:	Protein A affinity chromatography		
Applications:	**Neutralization, Functional Assays** **ELISA** **Western blot**		
Storage & Stability:	Stable at 2-8°C for 1 week or for up to 1 year at -20°C to -80°C. It is recommended to prepare single-use aliquots of undiluted product and store -20°C to -80°C. **Avoid repeated freeze/thaw cycles.**		

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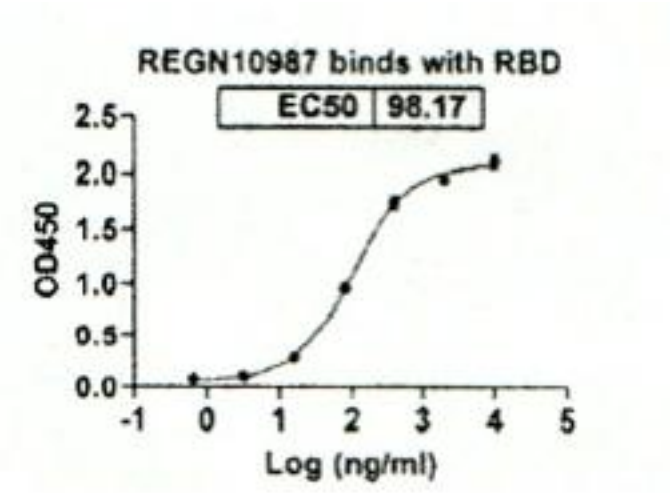
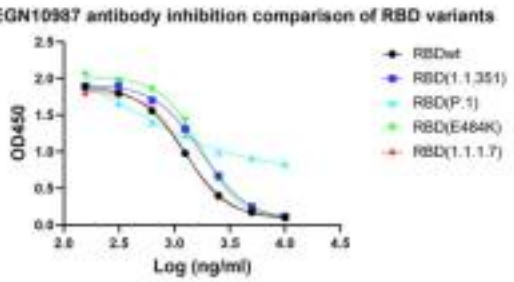
Anti-SARS-CoV-2 (2019-nCoV) RBD (Clone REGN10987) Neutralizing mAb



Comparison of REGN10987 inhibition of RBD variants

	RBDwt	RBD(1.1.351)	RBD(P.1)	RBD(E484K)	RBD(1.1.1.7)
IC50	1235	1759	370.3	1731	1266



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