

Product Datasheet

GLP1 Antibody (10) - BSA Free NBP1-05180

Unit Size: 100 ug

Store at 4C in the dark.

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NBP1-05180

GLP1 Antibody (10) - BSA Free

Product Information	
Unit Size	100 ug
Concentration	1.0 mg/ml
Storage	Store at 4C in the dark.
Clonality	Monoclonal
Clone	10
Preservative	0.09% Sodium Azide
Isotype	IgG2a Kappa
Purity	Protein A or G purified
Buffer	10mM Phosphate (pH 7.4) and 0.5M NaCl

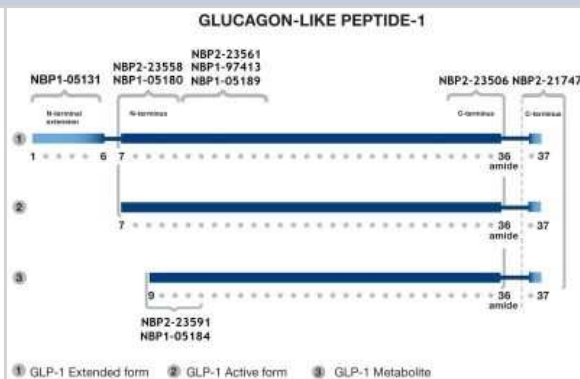
Product Description	
Description	Novus Biologicals Mouse GLP1 Antibody (10) - BSA Free (NBP1-05180) is a monoclonal antibody validated for use in WB and ELISA. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	2641
Gene Symbol	GCG
Species	Mammal
Reactivity Notes	The sequence of GLP-1 is fully conserved in all mammalian species examined so far.
Specificity/Sensitivity	Binds the free N-terminus of GLP-1(7-37) and GLP-1(7-36)amide and shows <0.2% cross-reactivity with GLP-1(9-36)amide, glucagon and human GIP. Cross-reacts 0.25% with GLP-1(1-37), approximately 6% with human GLP-2 and approximately 50% with exendin-4. Cross-reacts with Liraglutide.
Immunogen	Synthetic GLP-1(7-17)

Product Application Details	
Applications	Western Blot, ELISA
Recommended Dilutions	Western Blot 1:100-1:2000, ELISA 1:20000
Application Notes	ELISA: NBP1-05180 binds free GLP-1(7-37) and free GLP-1(7-36)amide in solution. NBP1-05180 reacts in ELISA with GLP-1(7-37) coated directly onto the microtiter well. NBP1-05180 binds free exendin-4 in solution.. When measuring "active" GLP-1 NBP1-05180B works as a detection antibody in combination with NBP1-97413. NBP1-05180B can be used as a detection antibody in combination with NBP2-21747 as a capture antibody in order to measure non-amidated GLP-1 forms and cross-reacting about 5% with C-terminally amidated GLP-1. Results show detection limits of 44pmol/L which is 10-20 times higher than the basal concentration of GLP-1, so the assays have to be optimized.

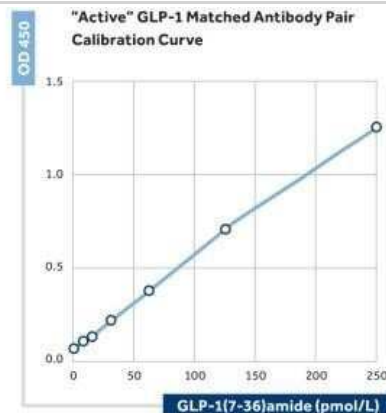


Images

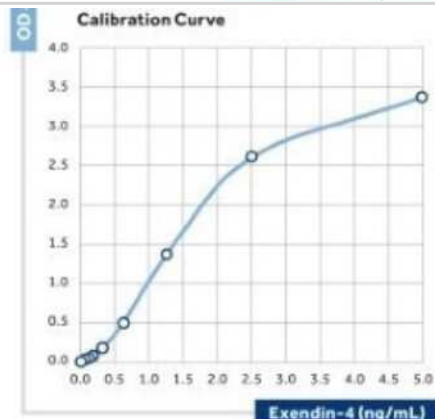
GLP1 Antibody (10) - BSA Free [NBP1-05180] - BSA Free [NBP1-05180]



ELISA: GLP1 Antibody (10) - BSA Free [NBP1-05180] - Calibration curve using NBP2-23506 as the capture antibody and NBP2-23557 as the biotinylated detection antibody. Image using the Biotin form of this antibody.



ELISA: GLP1 Antibody (10) - BSA Free [NBP1-05180] - By using the above monoclonal antibodies, it is possible to measure intact exendin-4 by a sandwich ELISA which is not subject to interference from GLP-1 or other glucagon-related peptides that may be present. NBP1-05180 is used as capture antibody in combination with a biotinylated detection antibody from the ABS 012 series. The best sensitivity in an unoptimized buffer assay was obtained with biotinylated ABS 012-35 as the detection antibody.





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Products Related to NBP1-05180

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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