

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

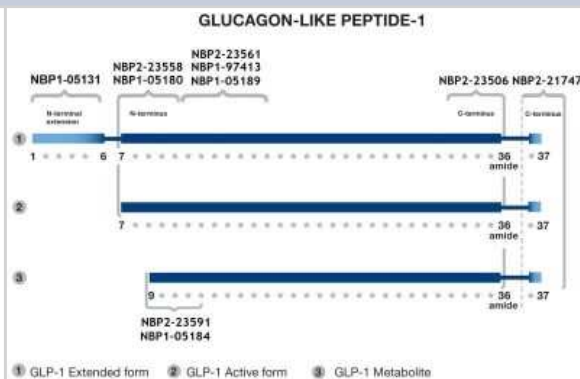
GLP1 Antibody (10) - BSA Free

Product Information	
Unit Size	100 ug
Concentration	1.0 mg/ml
Storage	Store at 4C in the dark.
Clonality	Monoclonal
Clone	10
Preservative	0.9% Sodium Azide
Isotype	IgG2a Kappa
Purity	Protein A or G purified
Buffer	10mM Phosphate (pH 7.4) and 0.5M NaCl
Product Description	
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

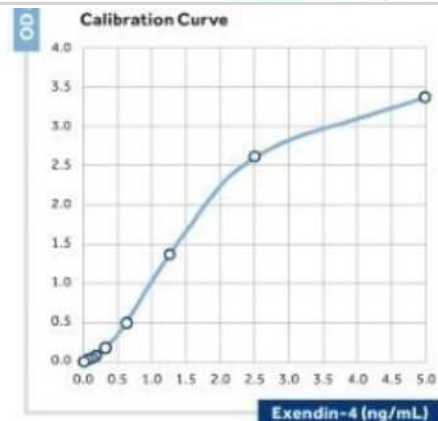
GLP1 Antibody (10) - BSA Free [NBP1-05180] - BSA Free [NBP1-05180]



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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NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)
291-G1-200	IGF-I/IGF-1 [Unconjugated]

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