

Anti-Exendin-4

CAT. NO. ABS 012-24

OVERVIEW

Product Name	Anti-Exendin-4	Conjugation	Unconjugated
Description	Mouse monoclonal antibody	Host	Mouse
Isotype	IgG1/k	Clone	24
Tested Applications	ELISA		

SPECIFICITY

Specificity	Specific for exendin-4. No cross-reactivity with GLP-1, GLP-2 (human) or glucagon coated on ELISA wells. The epitope is in the 9-39 region of the peptide, and the antibody cross-reacts strongly with exendin (9-39)amide.		
Immunogen	Synthetic exendin-4		
Target	Exendin-4 is a 39 amino acid peptide found in venom from the Gila monster <i>Heloderma suspectum</i> . It is a member of the glucagon-secretin family of peptide hormones and neuropeptides. Exendin-4 is a potent agonist of the GLP-1 receptor and hence a potent stimulator of insulin secretion.		
Species Reactivity POSITIVE	Gila monster <i>Heloderma suspectum</i>	Species Reactivity NEGATIVE	Not determined

PROPERTIES

Form	Liquid	Unit Size	0,4 mL and 1 mL
Concentration	1 mg/mL ±15%, See CoA for lot details		
Purification	Protein A or Protein G purified	Purification Notes	BSA free
Storage buffer	0.01 M phosphate buffer, pH 7.4, with 0.5 M NaCl and 15 mM sodium azide		
Storage condition	2-8°C without exposure to light		
Safety	Wear protective clothing		

TESTED APPLICATIONS

ELISA	ABS 012-24 binds to exendin-4 when coated on ELISA wells and reacts specifically with exendin-4 in solution giving a K_a of 1.8×10^8 in an inhibition ELISA. The binding between ABS 012-24 and exendin-4 is disrupted by 0.1 M glycine pH 3.
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SCIENTIFIC REFERENCES

N/A

CONDITIONS

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