

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human GLP-1 in sandwich immunoassays.
Source	Monoclonal Rabbit IgG _{2B} Clone # 1257C
Purification	Protein A or G purified from cell culture supernatant
Immunogen	Synthetic human GLP-1 peptide HAEGTFTSDVSSYLEG Accession # P01275
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

ELISA Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Glucagon is a preprotein which is cleaved into four distinct peptides, including the hormone GLP-1 (aa 98-128). GLP-1 is a secreted hormone with multiple effects upon the intestine (gastric motility), pancreas (glucose dependent insulin release) and hypothalamic pituitary axis (modulates LH, THS, CRH, oxytocin and vasopressin secretion). It also affects plasma glucagon levels. GLP-1 is expressed in enteroendocrine L cells and neurons of the caudal brainstem which project to the forbrain, the amygdala and the hypothalamus. Recent studies show pancreatic intra-islet GLP-1 expression, which is regulated by cytokines, hyperglycemia and cell injury.

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