

Product datasheet

Anti-Exendin 4 antibody [20] ab23407

★★★★☆ 1 Abreviews 1 References 1 Image

Overview

Product name	Anti-Exendin 4 antibody [20]
Description	Mouse monoclonal [20] to Exendin 4
Host species	Mouse
Specificity	This antibody recognises exendin 4. No cross reactivity with human GLP1, GLP2 or glucagon.
Tested applications	Suitable for: ELISA
Species reactivity	Reacts with Heloderma suspectum (Gila monster). Not yet tested in other species.
Immunogen	Carrier coupled exendin 4.
Epitope	The epitope is located in the region of amino acids 9 to 39 of exendin 4.
General notes	The fusion partner was SP2mL6.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 15mM Sodium Azide Constituents: 500mM Sodium chloride, 10mM PBS, pH 7.4
Purity	Protein A purified
Clonality	Monoclonal
Clone number	20
Isotype	IgG1
Light chain type	kappa

Applications

Our [Abpromise guarantee](#) covers the use of **ab23407** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ELISA	★★★★☆	1/2000. The antibody binds to exendin 4 when coated on ELISA wells and reacts specifically with exendin 4 in solution giving a K_a of 1.6×10^8 in an inhibition ELISA. The binding between ab23407 and exendin 4 is disrupted by 4.5 M $MgCl_2$.

Target

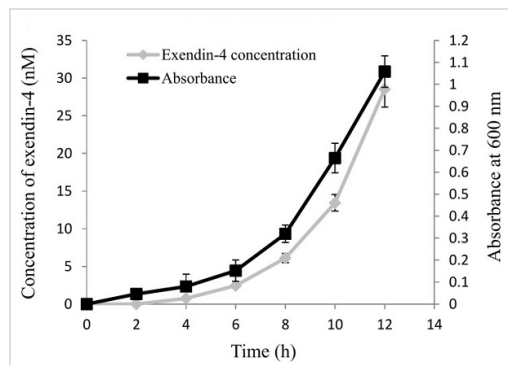
Relevance

Exendin 4 is a 39 amino acid peptide found in venom from the Gila monster *Helicoderma suspectum*. It is a member of the glucagon secretin family of peptide hormones and neuropeptides. Exendin 4 is a potent agonist of the GLP1 receptor and hence a potent stimulator of insulin secretion.

Cellular localization

Secreted

Images



ELISA - Anti-Exendin 4 antibody [20] (ab23407)

Zeng Z et al. PLoS One. 2016 Oct 20;11(10):e0165130.

The concentration of exendin-4 secreted by recombinant *L. paracasei* was measured by indirect ELISA. Standard exendin-4 (0.2 $\mu\text{g/ml}$) was used as the coated antigen. Equal volumes (100 μl) of ab23407 (1/4000) and standard exendin-4 (0–100 nmol/l) or culture supernatant samples of *L. paracasei* L14/pMG76e-exendin-4, preincubated overnight at 4°C, were applied to detect the captured exendin-4. Horseradish peroxidase-conjugated rabbit anti-mouse IgG (100 μl) was used at a 1:10,000 dilution and revealed by reaction with TMBS substrate. Absorption was determined at 450 nm and 630 nm by Multiskan MK3 ELISA plate reader. The exendin-4 concentration was calculated by the standard curve method.

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish

- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors