

Anti- α -calcitonin gene-related peptide (α -CGRP)

CAT. NO. ABS 026-05

OVERVIEW

Product Name	Anti- α -calcitonin gene-related peptide (α -CGRP)	Conjugation	Unconjugated
Description	Mouse monoclonal antibody	Host	Mouse
Isotype	IgG1/k	Clone	5
Tested Applications	ELISA, IHC		

SPECIFICITY

Specificity	ABS 026-05 binds human α -CGRP. Based on inhibition ELISA, ABS 026-05 shows full cross-reactivity with rat α -CGRP and about 50% cross-reactivity with human b-CGRP. There is no cross-reaction with human amylin. The epitope lies within residues 1-18 of human α -CGRP.		
Immunogen	Synthetic human α -CGRP	Gene ID	796, 24241
Target	Calcitonin gene-related peptide is a 37 amino acid vasoactive neuropeptide (MW 3789) widely expressed throughout the central and peripheral nervous system. CGRP has potent vasodilatory effects probably serving as a regulator of regional blood flow, In addition to a variety of other cellular effects.		
Species Reactivity POSITIVE	Human, Rat	Species Reactivity NEGATIVE	Not determined

PROPERTIES

Form	Liquid	Unit Size	0,4 mL and 1 mL
Concentration	1 mg/mL \pm 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 026-05 binds free α -CGRP in solution. Based on inhibition ELISA, the affinity of ABS 026-05 is at least 24 times higher than that of ABS 026-04. ABS 026-05 (as capture antibody) forms a sandwich ELISA pair with ABS 026-04 (as biotinylated detection antibody) for measuring human α -CGRP, giving a detection limit of 0.13 nmol/L in an unoptimized buffer assay.
IHC	ABS 026-05 works well in IHC on paraffin embedded tissue.

SCIENTIFIC REFERENCES

N/A

CONDITIONS

Unless otherwise marked, all products are for research use only. Not for use in diagnostic procedures. Not for use in human therapeutic applications. For in vitro use or further manufacture only. The information and product are offered without guarantee as the ultimate conditions of use are beyond our control. The foregoing is in lieu of all warranties, expressed or implied, including implied warranties of merchantability and fitness for a particular purpose. In no event shall BioPorto Diagnostics A/S be responsible for loss of profits or indirect consequential losses resulting from use of its products.