

# Anti-Proinsulin [4E11.A2.C3]

**Catalogue number:** 157686

**Sub-type:**

**Images:**

## Contributor

**Inventor:**

**Institute:** University of Georgia

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** Anti-Proinsulin [4E11.A2.C3]

**Alternate name:**

**Class:** Monoclonal

**Conjugate:** Unconjugated

**Description:** A panel of monoclonal antibodies (9 total) were created to develop an assay to test for beta cell function in cats. This assay, the first of its kind, allows for the diagnosis of feline diabetes mellitus, a disease characterized by an increase in proinsulin.

**Purpose:**

**Parental cell:**

**Organism:**

**Tissue:**

**Model:**

**Gender:**

**Isotype:**

**Reactivity:** Feline

**Selectivity:**

**Host:** Mouse

**Immunogen:** Q52PU3

**Immunogen UNIPROT ID:** Q52PU3

**Sequence:**

**Growth properties:**

**Production details:**

**Formulation:**

**Recommended controls:** IgG1

**Bacterial resistance:**

**Selectable markers:**

**Additional notes:**

## Target details

**Target:** Proinsulin

**Target alternate names:**

**Target background:** A panel of monoclonal antibodies (9 total) were created to develop an assay to test for beta cell function in cats. This assay, the first of its kind, allows for the diagnosis of feline diabetes mellitus, a disease characterized by an increase in proinsulin.

**Molecular weight:**

**Ic50:**

## Applications

**Application:** ELISA

**Application notes:**

## Handling

**Format:** Liquid

**Concentration:**

**Passage number:**

**Growth medium:**

**Temperature:**

**Atmosphere:**

**Volume:**

**Storage medium:**

**Storage buffer:**

**Storage conditions:**

**Shipping conditions:** Shipping at 4° C

## Related tools

**Related tools:**

## References

**References:** Hoenig et al. 2013. J Am Vet Med Assoc. 243(9):1302-9. PMID: 24134581. ; Kley et al.

2008. Domest Anim Endocrinol. 34(3):311-8. PMID: 17949938.

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