Agrisera
Part of Thermo Fisher Scientific

This product is **for research use only** (not for diagnostic or therapeutic use) **contact: support@agrisera.com**

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Product no AS08 359

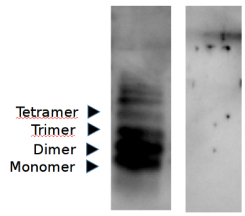
Anti-IAPP | Human IAPP (amylin) 1-37, specific for the native hormone having a disulphide-bridge between Cys2-Cys7

Product information

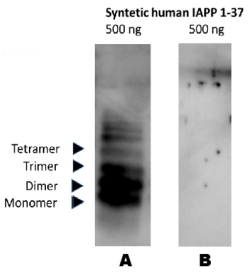
Immunogen	Synthetic peptide corresponding to the human the 37 residue IAPP also known as amylin. The IAPP/amylin peptide contains a disulphide-bridge between Cys2-Cys7 Amino acid sequence: KCNTATCATQRLANFLVHSSNNFGAILSSTNVGSNTY (disulphide link between Cys2-Cys7)
Host	Chicken
Clonality	Polyclonal
Purity	Purified,total IgY (chicken egg yolk immunoglobulin) in PBS pH 8. Contains 0.02 % sodium azide.
Format	Lyophilized
Quantity	50 µl
Storage	Store lyophilized/reconstituted at -20°C; once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please remember to spin the tubes briefly prior to opening them to avoid any losses that might occur from material adhering to the cap or sides of the tube.

Application information

Recommended dilution	1:1000 (WB), 1:1000 (ELISA)
Expected | apparent MW	3.9 kDa
Confirmed reactivity	Human
Predicted reactivity	Primates, mouse, rat, dog, seal, Chinese hamster
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Additional information	Antibody is specific for the native hormone having a disulphide-bridge between Cys2-Cys7



Western blot analysis illustrating specificity of AS08 359 for the oxidized form of IAPP (partly aggregated peptide illustrated below)
- Peptide separated on 16% SDS-tricine PAGE under denaturing conditions +/- -mercaptoethanol.
- Membrane: PVDF
- Transfer buffer, tris glycine, pH 9.5 containing 0.025% SDS
- Blocking buffer: 0.4% BSA in TBS, 0.3% Tween 20
- Antibody dilution : 1:1000
- Secondary antibody: anti-chicken (HRP)
- Detection: Enhanced Chemiluminescence 10 seconds



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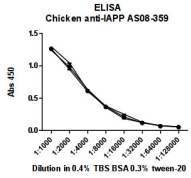
A- no reducing agent
B- reducing agent - 1 % betamercaptoethanol



ELISA

- Nunc immunosorpt 96 well plate was coated with synthetic IAPP (amylin) 1-37, in PBS at peptide concentration corresponding to 2µg/ml.
- Blocking buffer: 0.4% BSA in TBS, 0.3% Tween 20
- Antibody dilution : 1:1000
- Washing solution TBS containing 0.3% tween-20
- Secondary antibody: anti-chicken (HRP)