Agrisera
Part of Olink® Group

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

Agrisera AB | Box 57 | SE-91121 Vännäs | Sweden | +46 (0)935 33 000 | www.agrisera.com

Product no AS06 127

VTG | Sole vitellogenin

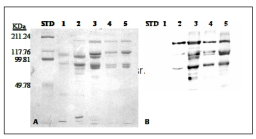
Product information

Immunogen	Native vitellogenin purified from plasma of estradiol induced male of Senegalese sole (*Solea senegalensis*)
Host	Rabbit
Clonality	Polyclonal
Purity	Serum
Format	Lyophilized
Quantity	200 µl
Reconstitution	For reconstitution add 200 µl of sterile water
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.
Additional information	VTG can be purified using following methodology: Mañanós et al. (1994). Sea bass (Dicentrarchus labrax L.) vitellogenin. I—Induction, purification and partial characterization. Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, Vol 107 (2): 205-216. Guzman et al. (2008) Vitellogenin, steroid plasma levels and spawning performance of cultured female Senegalese sole (Solea senegalensis).Gen and Comp Endocrinology 156: 285-297.

Application information

Recommended dilution	1 : 5 000 on sole serum (ELISA), 1 : 5 000 (WB)
Expected | apparent MW	ca. 200 kDa
Confirmed reactivity	*Senegalese sole, Dicentrarchus labrax* (sea bass), *Sparus aurata* (seabream)
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Additional information	The developed VTG ELISA, using these VTG and AbVTG, has been validated for Senegalese sole, sea bass (*Dicentrarchus labrax*) and seabream (*Sparus aurata*), which all gave parallel displacement curves in the assay. Probably, plasmas from several other fish species displace parallel and can also be used in the assay, although it has to be validated for each case.
Selected references	Guzman et al. (2008) Vitellogenin, steroid plasma levels and spawning performance of cultured female Senegalese sole (Solea senegalensis).Gen and Comp Endocrinology 156: 285-297.

Application example



STD: Protein standard (molecular weights of the proteins are indicated on the left) **(1)** plasma from male sole (load 0.11 ul of plasma),**(2)** plasma from vitellogenic female sole (load 0.11 ul of plasma), **(3)** plasma from estradiol-treated male sole (load 0.08 ul of plasma,**(4)** VTG precipitate (load 0.83 ul of precipitate),**(5)** purified VTG (load 2 ul of purified preparation, corresponding to around 0.14 ug and spawning performance in cultured VTG) were separated on SDS-PAGE 7.5% resolving gel, 4% stacking gel. Samples were denatured in SDS and b- mercaptoethanol and treated 4 min 95 oC before loading. Following gel electrophoresis proteinswere transfered to **PVDF** Membrane (Inmobilon-P, Millipore) for 2 h. Blots were blocked in TBST containing 2% non-fat dry milk. Blots were incubated in primary antibody at a dilution 1: **40 000**, followed by incubation with secondary antibodies. goat anti-rabbit HRP conjugated in a dilution 1:2,000) and reaction was developed using chemiluminescence.