



Code No. KAL-KH007-EX

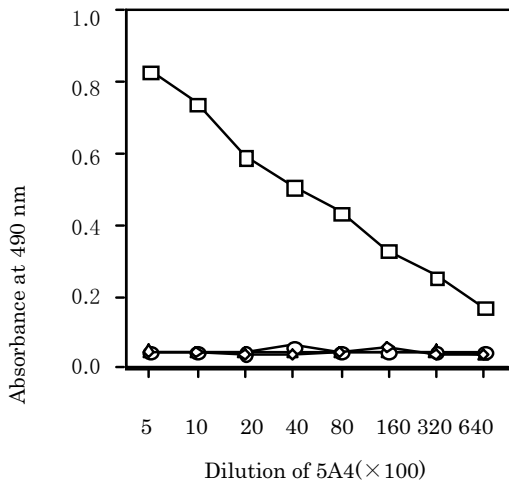
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Mouse Anti Red Sea Bream Vitellogenin Monoclonal Antibody

(Clone No5A4)

Package Size 100 μ g (100 μ L/vial)
 Format Mouse monoclonal antibody 1.0mg/mL
 Buffer 10mM sodium phosphate , 0.15M sodium chloride , 1%BSA , pH7.4
 Storage Store below -20°C .
 Once thawed, store at 4°C . Repeated freeze-thaw cycles should be avoided.
 Clone No. 5A4
 Subclass IgG1
 Immunogen source Red sea bream vitellogenin purified from plasma of 17β -estradiol induced fish
 Working dilution Immunoblotting $0.1\sim 1\mu\text{g/ml}$
 ELISA $0.25\sim 2\mu\text{g/ml}$ (Fixed quantity system by ELISA has not been established.)
 Specificity <cross reactivity>

	Red sea bream	Carp	Mummichog	Medaka
ELISA	(+)	(-)	(-)	(-)
Immunoblotting	(+)	(+)	(-)	(-)



Antigen

- Red sea bream
- ◇— Carp
- Mummichog
- △— Medaka

1 2 3 4



←Vitellogenin

Sample

- 1. Red sea bream
- 2. Carp
- 3. Mummichog
- 4. Medaka

ELISA

Antigen: Red sea bream, mummichog and medaka vitellogenins were purified from male fish induced with 17β -estradiol and carp vitellogenin was purified from female. Each antigen were diluted to $1\mu\text{g/mL}$ and added to microtiter plate.

Primary antibodies:

Purified monoclonal antibody (5A4)

IMMUNOBLOTTING

Sample: Plasma (dilution 1:40) from female fish (carp) or male fish induced with 17β -estradiol (red sea bream, mummichog and medaka).

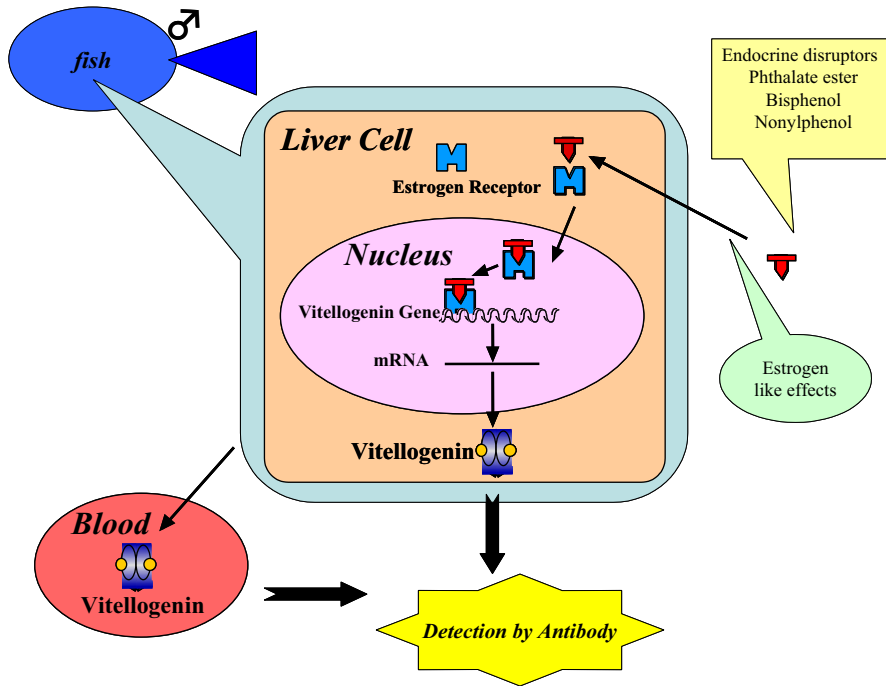
Primary antibody : 5A4 diluted 1:1000



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【References】

- 1).N.Hiramastu, M.Shimizu, H.Fukada, M.Kitamura, K.Ura, H.Fuda, and A.Hara, (1997) *Comp. Biochem Physiol.* 118C(2) 149-157
- 2).N.Hiramatsu and A.Hara. (1996) *Comp Biochem Physiol.* 115A(3) 243-251
- 3).H.Okumura, A.Hara, F.Saeki, T.Todo, S.Adachi and K.Yamauchi,(1995) *Fisheries Science* , 61(2) 283-289
- 4).T.Matsubara, T.Wada and A.Hara, (1994) *Comp Biochem Physiol.* 109B(4) 545-555
- 5).Y.Tao, A.Hara, R.. G. Hodoson, L. C. Woods III and C. V. Sullivan, (1993) *Fish Physiol. Biochem.* 12(1) 31-46
- 6) A.Hara, C. V. Sullivan and W.W. Dickhoff,(1993) *Zool. Sci.*, 10(2), 245-256

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