biosense™ LABORATORIES

Prod. no. V01405102
Product Description

Mouse anti-striped bass Vtg Monoclonal antibody, ND-3G2

General description

This product consists of affinity-purified mouse monoclonal antibodies against vitellogenin from striped bass (*Morone saxatilis)*.
Immunogen source: Vitellogenin purified from plasma of 17β-estradiol treated striped bass (*Morone saxatilis*).

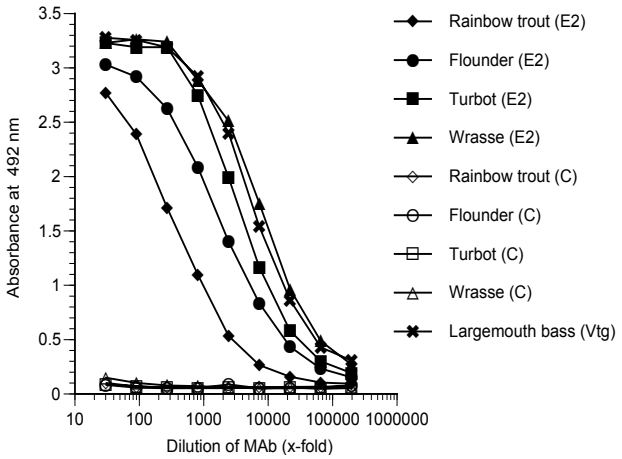
Specificity

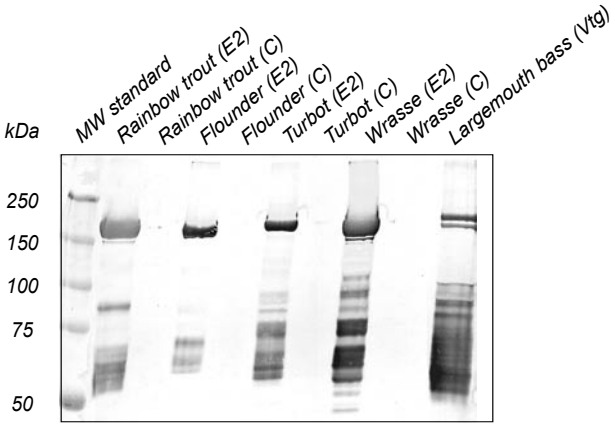
The monoclonal antibody ND-3G2 binds with high affinity to vitellogenin from striped bass (*Morone saxatilis*), reacting with both intact vitellogenin and its degradation products. The antibody also cross-reacts with vitellogenin from a variety of different species including largemouth bass (*Microptenes salmonides*), rainbow trout (*Oncorhynchus mykiss*), flounder (*Platichthys flesus*), turbot (*Scophthalmus maximus*) and wrasse (*Ctenolabrus rupestris*). The degree of cross-reactivity differs between species and with the methods employed.

Applications

The monoclonal antibody ND-3G2 works well in both ELISA and western blot for a number of species. Since assay conditions vary, the optimum dilution should be determined for each particular application. *Note*: The antibody is dissolved in a buffer containing BSA, and is therefore not recommended to use for coating.

Normal dilution range:
ELISA: 1:100 - 1:2000
Western blot: 1:500 - 1:1000





ELISA

Coating: Plasma (diluted 1:1000) from 17β-estradiol treated (E2) or control (C) fish. Purified vitellogenin (Vtg; 500 ng/well).
Primary antibody: ND-3G2

Western blot

Samples: Plasma (1:200, 14 µl/well) from 17β-estradiol treated (E2) or control (C) fish. Purified vitellogenin (Vtg; 1 µg/well).
Primary antibody: ND-3G2 diluted 1:500

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