biosense™ LABORATORIES

Prod. no. V01407101
Product Description

Mouse anti-killifish Vtg Monoclonal antibody, ND-5F8

General description

This product consists of affinity-purified mouse monoclonal antibodies against vitellogenin from killifish (*Fundulus heteroclitus*) and white perch (*Morone americanus*).
Immunogen source: Vitellogenin purified from plasma of 17β-estradiol treated killifish (*Fundulus heteroclitus*), white perch (*Morone americanus*) and bowfin (*Amia calva*). Egg yolk from swordfish (*Xiphias gladius*).
Subclass/isotype: IgG_1-kappa.

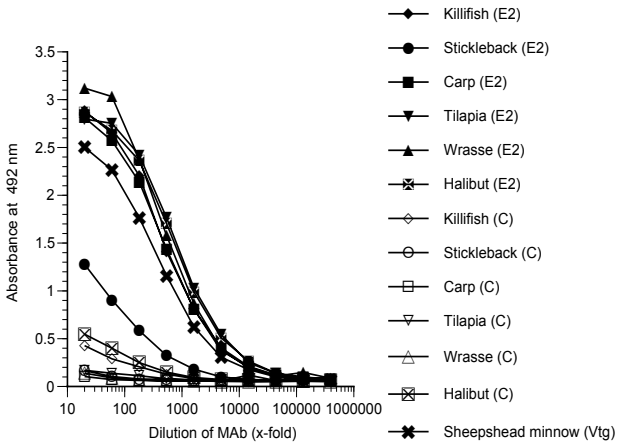
Specificity

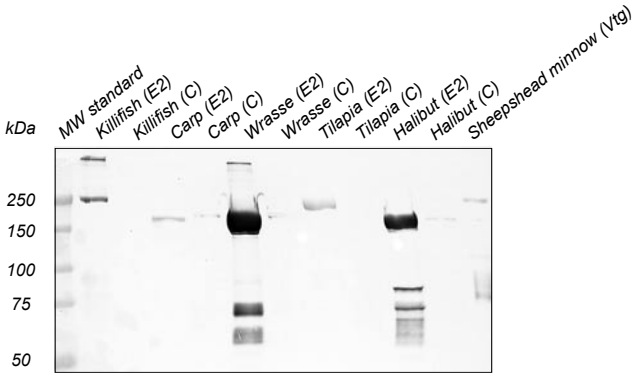
The monoclonal antibody ND-5F8 binds with high affinity to vitellogenin from killifish (*Fundulus heteroclitus*) and white perch (*Morone americanus*). The antibody also cross-reacts with vitellogenin from a variety of different species including common carp (*Cyprinus carpio*), wrasse (*Ctenolabrus rupestris*), tilapia (*Oreochromis niloticus*), halibut (*Hippoglossus hippoglossus*) and sheepshead minnow (*Cyprinodon variegatus*). The antibody does not cross-react with vitellogenin from bowfin (*Amia calva*) or with egg yolk from swordfish (*Xiphias gladius*). The degree of cross-reactivity differs between species and with the methods employed.

Applications

The monoclonal antibody ND-5F8 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 - 1:1000
Western blot: 1:100 - 1:500





ELISA

Coating: Plasma (diluted 1:1000) from 17β-estradiol treated (E2) or control (C) fish. Purified vitellogenin (Vtg; 500 ng/well).
Primary antibody: ND-5F8

Western blot

Samples: Plasma (1:200, 15 µl/well) from 17β-estradiol treated (E2) or control (C) fish. Purified vitellogenin (Vtg; 1 µg/well)
Primary antibody: ND-5F8 diluted 1:100

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