biosense™ LABORATORIES

Prod. no. M04406201
Product Description

Rabbit anti-cod MT Polyclonal antibody, KH-1

General description

This product consists of rabbit polyclonal antibodies (affinity-purified IgG fraction) against metallothionein from Atlantic cod (*Gadus morhua*).
Immunogen source: Metallothionein purified from liver of Atlantic cod (*Gadus morhua*).

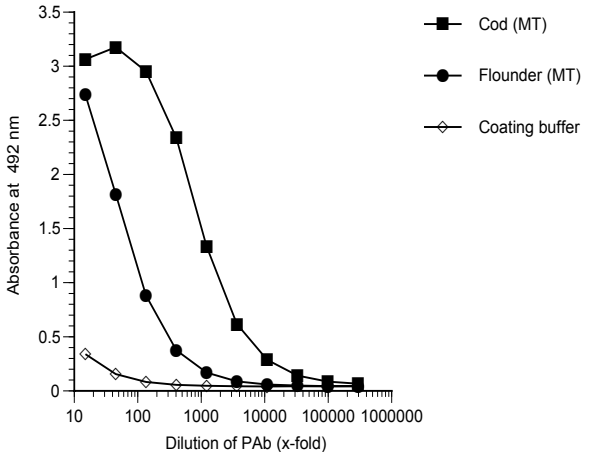
Specificity

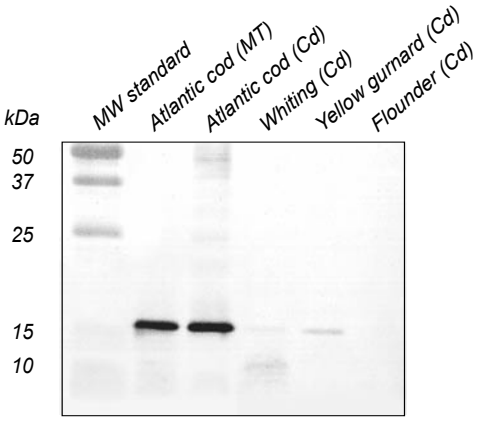
The polyclonal antibody KH-1 binds strongly to metallothionein (MT) in liver samples from Atlantic cod (*Gadus morhua*). The antibody also cross-reacts with metallothionein from a wide varitey of different species including whiting (*Merlangius merlangus*), yellow gurnard (*Trigla lucerna*) and flounder (*Platichthys flesus*) as well as some cypriniform, siluriform, salmoniform, perciform and rajiform species. The degree of cross-reactivity differs between species and with the methods employed.

Applications

The polyclonal antibody KH-1 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: 1:50 - 1:1000
Western blot: 1:50 - 1:1000





ELISA
Coating: Purified metallothionein (MT; 1 µg/ml). Coating buffer used as negative control.
Primary antibody: KH-1

Western blot
Samples: Liver S9 fractions (2.5 µg protein/well) from cadmium treated (Cd) fish. Purified metallothionein (MT): 0.25 µg per well.
Primary antibody: KH-1 diluted 1:500

www.biosense.com
Biosense Laboratories AS, Thormøhlensgt. 55, N-5008 Bergen, Norway
Phone: +47 55543966, Fax: +47 55543771, e-mail: biosense@biosense.no