

Mouse anti-Gulf sturgeon Vtg Monoclonal antibody, ND-1H2

General description

This product consists of affinity-purified mouse monoclonal antibodies against vitellogenin from Gulf sturgeon (*Acipenser oxyrinchus desotoi*).

Immunogen source: Vitellogenin purified from plasma of 17 β -estradiol treated Gulf sturgeon (*Acipenser oxyrinchus desotoi*).

Subclass/isotype: IgG₁-kappa.

Specificity

The monoclonal antibody ND-1H2 binds strongly to vitellogenin from Gulf sturgeon (*Acipenser oxyrinchus desotoi*). The antibody also cross-reacts with vitellogenin from lake sturgeon (*Acipenser fulvescens*). The degree of cross-reactivity may differ between species and with the methods employed.

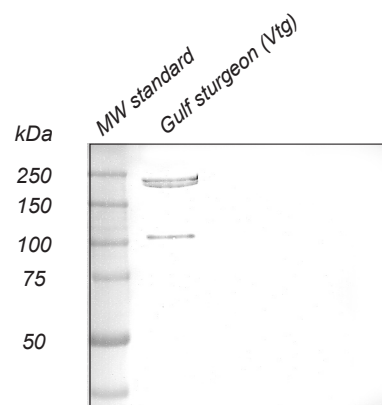
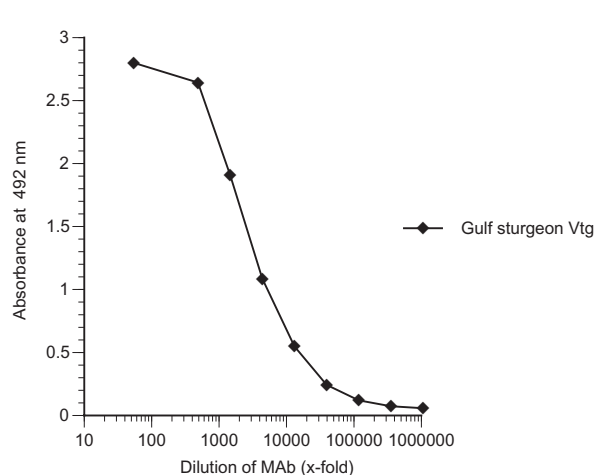
Applications

The monoclonal antibody ND-1H2 binds to vitellogenin from Gulf sturgeon in both ELISA and western blot. 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: Purified vitellogenin (Vtg; 2 μ g/ml)

Primary antibody: ND-1H2

Western blot

Sample: Purified vitellogenin (Vtg; 1 μ g/well)

Primary antibody: ND-1H2 diluted 1:100