

Anti-Vitellogenin [B5] Bulk Size Ab00753-1.6-BT

This is a Fab fragment with a his-tag.

This reformatted mouse antibody was made using the variable domain sequences of the original Mouse scFv format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Mouse Fab fragment, His-Tagged, Kappa

Clone Number: B5

Alternative Name(s) of Target: Vtg

UniProt Accession Number of Target Protein: Q90YN8

Published Application(s): WB, ELISA

Published Species Reactivity: Chinese rare minnow, common carp, crucian carp, Zebrafish

Immunogen: B5 was isolated from a phage display library constructed using splenic mRNA from non-immunized mice after 3 rounds of panning.

Specificity: B5 recognises a linear epitope of Vtg at the N-terminal region of the protein from zebrafish, Chinese rare minnow, common carp and crucian carp. Vtg is the phospholipoglycoprotein precursor to the major egg yolk protein which is synthesized in the liver in response to endogenous estrogen in females. Vtg synthesis in males can be used as a biomarker for exposure to estrogen and estrogen mimics in males where Vtg levels are normally low but can be increased upon exposure.

Application Notes: B5 scFv can be used in WB and ELISA studies.

Antibody First Published in: Rao et al. Novel recombinant monoclonal antibodies for vitellogenin assays in cyprinid fish species Dis Aquat Organ. 2010 Dec 7;93(1):83-91. [PMID:21290899](#)

Note on publication: Describes the production of B5 scFv a from phage display library and the characterisation of the scFv by ELISA and WB to determine binding specificity and binding curves. A 152aa N-terminal protein fragment from Vtg from different cyprinid fish species was used in this study.

Product Form

Size: 500 µg Purified antibody in bulk size.

Purification: Purified by Immobilized Metal Affinity Chromatography

Supplied In: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer

storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.