

Anti-loggerhead IgY heavy chain [LH-12-4] Standard Size Ab02497-2.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

Isotype and Format: Mouse IgG2a, [Fc Silent™](#), Kappa

Clone Number: LH-12-4

Alternative Name(s) of Target: immunoglobulin Y; HC; VH

UniProt Accession Number of Target Protein:

Published Application(s): WB, ELISA

Published Species Reactivity: Sea turtles

Immunogen: This antibody was raised by immunizing Balb/c mice with sea turtle IgY purified using immunoglobulin-binding protein-G.

Specificity: Recognizes all sea turtle IgY heavy chains, except for leather back sea turtles.

Application Notes: To determine the reactivity of this antibody it was immunoblotted with purified IgY (Rodgers and Rice, 2018; PMID:29787778). This antibody was used as a part of an ELISA created for quantifying bacteria-specific IgY titers in individual turtles (Rodgers and Rice, 2018; PMID:29787778).

Antibody First Published in: Rodgers and Rice Monoclonal antibodies against loggerhead sea turtle, *Caretta caretta*, IgY isoforms reveal differential contributions to antibody titers and relatedness among other sea turtles Dev Comp Immunol. 2018 Oct;87:12-15. [PMID:29787778](#)

Note on publication: mAb LH12 was developed against the 66 kDa heavy chain of IgY, mAb LH1 was developed against the truncated heavy chain of approximately 37 kDa, and mAb LH9 was developed against the 23 kDa light chains.

Product Form

Size: 200 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. 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.