

Anti-loggerhead IgY light chain [LH9] Standard Size Ab02498-23.0

This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Rabbit IgG, Kappa

Clone Number: LH9

Alternative Name(s) of Target: immunoglobulin Y; LC, VL

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 light chains, and probably all 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.