Anti-IgNAR [GA8] Standard Size Ab01553-2.0

Isotype and Format: Mouse IgG2a, Kappa

Clone Number: GA8

Alternative Name(s) of Target: Shark HC antibody; Immunoglobulin new antigen receptor; immunoglobulin novel antigen receptor; novel antigen receptor; NAR; Q8AXH5; Q90544

UniProt Accession Number of Target Protein: P83977

Published Application(s): IP, ELISA, IHC

Published Species Reactivity: Elasmobranch

Immunogen: This antibody was raised by immunising mice with nurse shark IgNAR.

Specificity: This antibody is specific for IgNAR, an Ig heavy chain isotype specific to elasmobranchs, and reacts with an epitope in the constant domain. This anti-nurse shark IgNAR antibody has been shown to cross-react with spiny dogfish IgNAR.

Application Notes: This antibody immunoprecipitates IgNAR from both nurse shark and spiny dogfish plasma (Smith et al, 2012), and from serum and yolk extracts from mature unfertilized nurse shark eggs (Haines et al, 2005). This antibody has been used in immunohistochemical analysis of IgNAR expression in frozen sections of nurse shark spleen, to identify its cellular organisation (Rumfelt et al, 2002). This antibody has been used in ELISA analysis to measure plasma titres of IgNAR following spiny dogfish immunisation with human serum albumin (Muller et al, 2012) and nurse shark immunisation with human and murine induced costimulatory ligand (Kovaleva et al, 2017) and with recombinant human TNF-α (Ubah et al, 2017).

Antibody First Published in: Rumfelt et al. The Development of Primary and Secondary Lymphoid Tissues in the Nurse Shark Ginglymostoma cirratum: B-Cell Zones Precede Dendritic Cell Immigration and T-Cell Zone Formation During Ontogeny of the Spleen Scand J Immunol. 2002 Aug;56(2):130-48. PMID:12121433

Note on publication: Describes the original use of this antibody in immunohistochemical analysis.

Product Form

Size: 200 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4⁰C for up to 3 months. For longer storage, aliquot and store at -

20ºC.
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.