

Anti-IgT

Catalogue number: 158053

Sub-type:

Images:

Contributor

Inventor: Abdo Alnabulsi

Institute: Vertebrate Antibodies Limited

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-IgT

Alternate name:

Class: Polyclonal

Conjugate: Unconjugated

Description: Teleost IgT is specialised in gut mucosal immunity. IgT is present in serum as monomers, whereas in the gut mucus it forms mainly noncovalent multimers similar in mass to IgM. In fish, IgT+ B cells have been identified in several species and constitute around 51% of all B cells in the intestinal mucosa. Consistent with the prevalent roles of IgT in gut immunity, most bacteria in the gut lumen are coated with IgT, and IgT responses to gut parasites are measurable only in the gut, whereas IgM responses are detected only in serum. This anti-IgT antibody may provide a useful tool to monitor vaccine performance in fish and will assist in the development of future vaccines. Anti-IgT antibody may provide a useful tool to monitor mucosal-based vaccine performance in fish and will assist in the development of future vaccines.

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype:

Reactivity: Grass Carp

Selectivity:

Host: Rabbit

Immunogen: Ovalbumin-conjugated synthetic peptide. Peptide immunogen is conserved in carp species.

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls: ELISA: peptide immunogen

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: Immunoglobulin T (IgT)-heavy chain

Target alternate names:

Target background: Teleost IgT is specialised in gut mucosal immunity. IgT is present in serum as monomers, whereas in the gut mucus it forms mainly noncovalent multimers similar in mass to IgM. In fish, IgT+ B cells have been identified in several species and constitute around 51% of all B cells in the intestinal mucosa. Consistent with the prevalent roles of IgT in gut immunity, most bacteria in the gut lumen are coated with IgT, and IgT responses to gut parasites are measurable only in the gut, whereas IgM responses are detected only in serum. This anti-IgT antibody may provide a useful tool to monitor vaccine performance in fish and will assist in the development of future vaccines. Anti-IgT antibody may provide a useful tool to monitor mucosal-based vaccine performance in fish and will assist in the development of future vaccines.

Molecular weight: 65

Ic50:

Applications

Application: ELISA

Application notes:

Handling

Format: Liquid

Concentration:

Passage number:

Growth medium:

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer:

Unpurified anti-serum from rabbit preserved in 0.02% Thiomersal

Storage conditions:

Shipping conditions: Shipping at 4° C

Related tools

Related tools:

References

References:

CancerTools.org