bs-0330R-HRP **[Secondary Antibodies]**

Rabbit Anti-Mouse Kappa light chain, HRP conjugated

www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

Target: Rabbit Anti-Mouse Kappa light chain

Purification: affinity purified by Protein A

Concentration: 2.0 mg/ml

Storage: 10 mM TBS (pH=7.4) with 1% BSA, 0.03% Proclin300 and 50% glycerol.
Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Immunoglobulins belong to a group of related glyco proteins which make up 20% of serum proteins. Antigens and immunoglobulins react to confer immunity to individuals. Immunoglobulins have similar structures of two identical heavy chains and two identical light chains. Both the heavy chains and the light chains are divided into constant and variable regions. The constant regions have the same amino acid sequences between all the immunoglobulin classes. The variable regions have approximately 110 amino acids with high sequence variability. The amino acid sequence of the heavy chain determines the class of an immunoglobulin. The five types of immunoglobulin heavy chains are known as: IgG, IgA, IgM, IgD, and IgE. IgG is divided into four subclasses, and IgA is divided into two subclasses. In serum IgA and IgG are monomers with a single 4 polypeptide unit; while, IgM is a pen tamer. IgA may also form polymers. Kappa light chain antibody can be used for the identification of leukemias, plasmacytomas and certain non Hodgkin's lymphomas. Kappa light chain contains one immunoglobulin like domain. The EU sequence has the INV allotypic marker, Ala 45 and Val 83. The ROY sequence has the INV allotypic marker, Ala 45 and Leu 83.

Applications: **WB** (1:1000-10000)
IHC-P (1:100-500)
IHC-F (1:100-1000)
ELISA (1:1000-10000)

Reactivity: Mouse

SELECTED CITATIONS

- **[IF=4.4]** Ding Jing. et al. Plancitoxin-1 mediates extracellular trap evasion by the parasitic helminth Trichinella spiralis. BMC BIOL. 2024 Dec;22(1):1-20 IF ;Mouse. 39075478
- **[IF=1.69]** Ahn et al. Expression of claudins, occludin, junction adhesion molecule A and zona occludens 1 in canine organs. (2016) Mol.Med.Re. 14:3697-703 WB ;dog. 27600198