

anti-human Kappa Chain

Monoclonal Antibody Hlgk to Kappa Chain (Human)

Cat-No: **21816061**

100 µg in 100 µl

Clone: Hlgk

Specificity: The antibody Hlgk reacts with Kappa light chains (22.5 kDa) of human immunoglobulin and does not react with Lambda light chain or heavy chain.

Isotype subclass: Mouse IgG1

Form: The antibody was purified by affinity chromatography.

Physical state: Liquid

Buffer/Additives/Preservative: PBS with 0.09% sodium azide (pH 7.2)

Expiration date: The reagent is stable until the expiry date stated on the vial label

Storage conditions: Store at -20 °C. Avoid freeze/thaw cycles.

Application: Flow Cytometry

Background: Immunoglobulin classes share the same basic four polypeptide chain structure of two heavy chains (five heavy chains types) and two light chains (kappa, **lambda**; both having a molecular weight of 22.5kDa). Kappa and lambda consist of a variable region and a constant region and can easily be differentiated by the antigenic properties of the constant region. The ratio of kappa to lambda is 70:30. According to literature reports, immunoglobulin bearing Kappa light chains are present on about 60% of normal B lymphocytes.

References: Tadimitsu K, K.Hitoshi, A.E.G.Kr.van der Borne, et al. eds 1997. Leucoyte Typing VI: White Cell Differentiation Antigens. P: 210, 240 Garland Publishing, Inc. New York

Warning: Sodium azide is harmful if swallowed (R22). Keep out of reach of children (S2). Keep away from food, drink and animal feeding stuff (S13). Wear suitable protective clothing (S36). If swallowed, seek medical advice immediately and show this container or label (S46). Contact with acids liberates very toxic gas (R32). Azide compounds should be flushed with large volumes of water during disposal to avoid deposits in lead or copper plumbing where explosive conditions can develop.

This material is offered for research only. Not for use in human. For in vitro use only. ImmunoTools will not be held responsible for patent infringement or other violations that may occur with the use of our products.

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