Mouse anti-Human Ig Kappa Light Chain Monoclonal Antibody

Anti-Hu Ig Kappa Light Chain PE-Cy7

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA129171	**Mouse**	**Human**	**Flow Cytometry, Functional Assay**

PRODUCT SYNONYMS

Ig Kappa Light Chain; Monoclonal Antibody; Anti-Hu Ig Kappa Light Chain PE-Cy7; Immunoglobulin kappa; Igk; anti-Ig Kappa Light Chain antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1 kappa
Clone Number	TB28-2
Specificity	The antibody TB28-2 recognizes human Ig kappa light chains of both secreted and cell surface immunoglobulin. It detects also free kappa light chains.
Purity/Purification	The purified antibody is conjugated with tandem dye PE-Cy7 under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Form/Format	Stabilizing phosphate buffered saline (PBS) solution containing 15mM sodium azide
Applicable Applications for anti-Ig Kappa Light Chain antibody	FCM/FACS (Flow Cytometry)
Conjugation	PE-Cy7
Immunogen	Human IgG-kappa myeloma protein
Preparation and Storage	Store in the dark at 2-8 degree C. Do not freeze. Avoid prolonged exposure to light. Do not use after expiration date stamped on vial label.

ADDITIONAL INFORMATION

Related Product Information for anti-Ig Kappa Light Chain antibody	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.

References	*Kiyotaki M, Cooper MD, Bertoli LF, Kearney JF, Kubagawa H: Monoclonal anti-Id antibodies react with varying proportions of human B lineage cells. J Immunol. 1987 Jun 15;138(12):4150-8., URL: https://www.ncbi.nlm.nih.gov/pubmed/3495581,*Nakamura T, Kubagawa H, Cooper MD: Heterogeneity of immunoglobulin-associated molecules on human B cells identified by monoclonal antibodies. Proc Natl Acad Sci U S A. 1992 Sep 15;89(18):8522-6., URL: https://www.ncbi.nlm.nih.gov/pubmed/1382292,*Böttcher S, Ritgen M, Buske S, Gesk S, Klapper W, Hoster E, Hiddemann W, Unterhalt M, Dreyling M, Siebert R, Kneba M, Pott C; EU MCL MRD Group: Minimal residual disease detection in mantle cell lymphoma: methods and significance of four-color flow cytometry compared to consensus IGH-polymerase chain reaction at initial staging and for follow-up examinations. Haematologica. 2008 Apr;93(4):551-9., URL: https://www.ncbi.nlm.nih.gov/pubmed/18379010,*Karandikar NJ, Aquino DB, McKenna RW, Kroft SH: Transient myeloproliferative disorder and acute myeloid leukemia in Down syndrome. An immunophenotypic analysis. Am J Clin Pathol. 2001 Aug;116(2):204-10., URL: https://www.ncbi.nlm.nih.gov/pubmed/11488066,*Jourdan M, Caraux A, De Vos J, Fiol G, Larroque M, Cognot C, Bret C, Duperray C, Hose D, Klein B: An in vitro model of differentiation of memory B cells into plasmablasts and plasma cells including detailed phenotypic and molecular characterization. Blood. 2009 Dec 10;114(25):5173-81., URL: https://www.ncbi.nlm.nih.gov/pubmed/19846886 *Franklin EC: Structure and Functional Application (FUNC)tion of immunoglobulins. Acta Endocrinol Suppl (Copenh). 1975;194:77-95., URL: https://www.ncbi.nlm.nih.gov/pubmed/47690ordinalp

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/ig-kappa-light-chain-antibody-clone-tb28-2-flow-cytometry-elisa/129171