

## Rabbit Kappa LightChain/IGKC Monoclonal Antibody | anti-IGKC antibody

Kappa LightChain/IGKC (B-Cell Marker)

| CATALOG # | HOST   | REACTIVITY               | APPLICATIONS                                           |
|-----------|--------|--------------------------|--------------------------------------------------------|
| AAA214400 | Rabbit | Human. Others not known. | Immunohistochemistry, Flow Cytometry, Functional Assay |

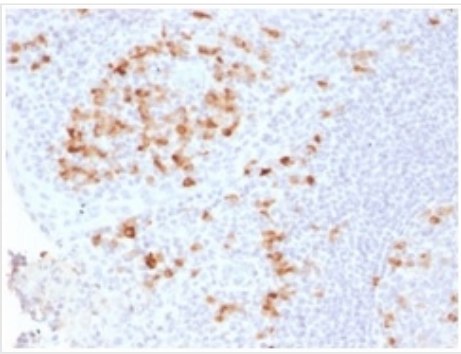
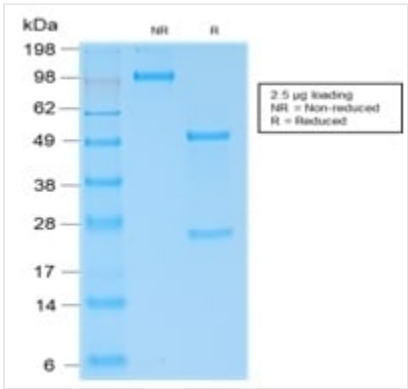
### PRODUCT SYNONYMS

Kappa LightChain/IGKC; Monoclonal Antibody; Kappa LightChain/IGKC (B-Cell Marker); HCAK1; Ig Kappa Chain C Region; IGKC; Immunoglobulin KM; anti-IGKC antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Reactivity                                     | Human. Others not known.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Clonality                                      | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Isotype                                        | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Clone Number                                   | KLC2289R                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Specificity                                    | This MAb is specific to kappa light chain of immunoglobulin and shows no cross-reaction with lambda light chain or any of the five heavy chains. It recognizes human Ig kappa light chains of both secreted and cell surface immunoglobulin. It detects also free kappa light chains. In mammals, the two light chains in an antibody are always identical, with only one type of light chain, kappa or lambda. The ratio of Kappa to Lambda is 70:30. However, with the occurrence of multiple myeloma or other B-cell malignancies this ratio is disturbed. Antibody to the kappa light chain is reportedly useful in the identification of leukemias, plasmacytomas, and certain non-Hodgkin's lymphomas. Demonstration of clonality in lymphoid infiltrates indicates that the infiltrate is malignant. |
| Form/Format                                    | 200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Sequence Length                                | 117                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Applicable Applications for anti-IGKC antibody | IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Immunogen                                      | Recombinant full-length human Ig kappa chain                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Cellular Localization                          | Cell Surface, Cytoplasmic and secreted                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Hu-chromosome Location                         | 2p11.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Positive Control                               | 293T, Raji or hPBL cells. Tonsil or Spleen                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Preparation and Storage                        | Antibody with azide - store at 2 to 8 degree C.<br>Antibody without azide - store at -20 to -80 degree C.<br>Antibody is stable for 24 months. Non-hazardous. No MSDS required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

IMAGES



**IHC (Immunohistochemistry)**  
Formalin-fixed, paraffin-embedded Human Tonsil stained with Kappa Light Chain Rabbit Recombinant Monoclonal (KLC2289R).

**SDS-PAGE**  
SDS-PAGE Analysis of Purified Kappa Light Chain Rabbit Recombinant Monoclonal (KLC2289R).

ADDITIONAL INFORMATION

|            |                                                                                                                     |
|------------|---------------------------------------------------------------------------------------------------------------------|
| References | Nakamura T et. al. Proc Natl AcadSci U S A. 1992; 89(18):8522-6. KiyotakiM et. al. J Immunol. 1987; 138(12):4150-8. |
|------------|---------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                         |                                     |
|-------------------------|-------------------------------------|
| NCBI GI #               | 857434459                           |
| NCBI GeneID             | 449609; 3514                        |
| UniProt Accession #     | P01601; A0A0B4J1Z3                  |
| Molecular Weight        | ~22.5kDa                            |
| NCBI Official Full Name | Immunoglobulin kappa variable 1D-16 |
| UniProt Protein Name    | Immunoglobulin kappa variable 1D-16 |
| UniProt Gene Name       | IGKV1D-16                           |

**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/kappa-lightchain-igkc-antibody-clone-klc2289r-immunohistochemistry-flow-cytometry-elisa/214400>