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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-kappa light chain [4-E3] Standard Size Ab02369-23.0

This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Rabbit IgG, Kappa

Clone Number: 4-E3

Alternative Name(s) of Target: B cell IgK; ferret immunoglobulin; B-cell; kappa light chain; Ig; E3

UniProt Accession Number of Target Protein:

Published Application(s): WB, ELISA, FC

Published Species Reactivity: Ferret (*Mustela putorius furo*)

Immunogen: The original mouse IgG1 version of this antibody was raised against ferret immunoglobulins (IgG + IgM).

Specificity: This antibody is specific for the kappa light chain of ferret B cell immunoglobulin.

Application Notes: This antibody is specific for the ferret kappa light chain of B cell surface receptor (BCR) and enables segregation of kappa and lambda B cells representing great improvement over polyclonal anti-ferret Ig. It can be used as an indicator of B cell malignancies such as multiple myeloma. It was screened for reactivity against ferret peripheral blood mononuclear cells by FCM what demonstrated specificity for CD79B+ B cells (Kirchenbaum and Ross, 2017; pmid:28286781). It is suitable for Western Blot, ELISA and Flow Cytometry applications. Enzyme-linked immunosorbent assay with the murine version of this antibody (ELISA) was used to assess the reactivity against purified ferret Ig and to determine the IgG subclass and concentration of the respective mAb (Kirchenbaum and Ross, 2017; pmid:28286781). Further, a competitive ELISA was performed using unlabeled and biotinylated MαF-Ig mAb to identify overlapping epitope recognition (Kirchenbaum and Ross, 2017; pmid:28286781). To characterize the specificity of the murine version of this antibody a western blot on ferret immunoglobulin was performed (Kirchenbaum and Ross, 2017; pmid:28286781).

Antibody First Published in: Kirchenbaum and Ross Generation of Monoclonal Antibodies against Immunoglobulin Proteins of the Domestic Ferret (*Mustela putorius furo*) J Immunol Res. 2017;2017:5874572. [PMID:28286781](#)

Note on publication: Describes the generation of eight unique murine monoclonal antibodies (mAbs) with specificity for ferret immunoglobulin (Ig).

Product Form

Size: 200 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.