

## Anti-antibody heavy chain [11-E3] Bulk Size Ab02375-23.0-BT

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:** 11-E3

**Alternative Name(s) of Target:** B cell immunoglobulin; ferret B Cell Heavy Chain; Ig gamma; IgG; ferret immunoglobulin; 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 heavy chain chain of ferret B cell immunoglobulin.

**Application Notes:** This antibody is recommended for the detection of ferret B cell immunoglobulin. 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 M $\alpha$ F-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). ELISA with the murine version of this antibody was used to determine the concentration of total Ig $\kappa$  and Ig $\lambda$  in ferret serum (Kirchenbaum et al, 2017; pmid:29079697).

**Antibody First Published in:** 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:**

## Product Form

**Size:** 1 mg Purified antibody in bulk size.

**Purification:**

Protein A affinity purified

**Supplied In:** PBS only.

**Storage Recommendation:** Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. 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.