Anti-IgE [D9#3116] Standard Size Ab01391-41.0

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

Isotype and Format: Dog IgG1, Kappa

Clone Number: D9#3116

Alternative Name(s) of Target: immunoglobulin E; canine IgE; canine immunoglobulin E; D9

UniProt Accession Number of Target Protein:

Published Application(s): WB, ELISA

Published Species Reactivity: Dog

Immunogen: This antibody was raised by immunising BALB/c mice with IgE-rich pooled parasitised dog serum and subsequent creation of hybridomas.

Specificity: The antibody recognises canine IgE (likely C-epsilon 2).

Application Notes: ELISA: Canine IgE-specificity of the D9#3116 antibody was confirmed by ELISA tests with different types of antibodies (DeBoer et al., 1993). WB: This antibody was successfully used in western blot detection of canine IgE in experiments on the dogs' allergies against the hen egg (Shimakura et al., 2016). ELISA: fluorometric ELISA tests were used to assay canine IgE reactivity against different vaccine components in anti-vaccine allergies (Ohmori et al., 2005).

Antibody First Published in: DeBoer et al. Production and characterization of mouse monoclonal antibodies directed against canine IgE and IgG. Vet Immunol Immunopathol. 1993 Aug;37(3-4):183-99. PMID:8236798

Note on publication: This paper desribes production and characterisation of the D9#3116 antibody (among other antibodies against canine IgE as well as IgG). Many tests to assess specificity and characterise the antibodies were describes in the article: the ability to cause reverse cutaneous reaction in dog skin, to neutralise Prausnitz-Kustner reaction of atopic dog serum, and binding to different Ig classes in ELISA tests.

Product Form

Size: 100 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4⁰C for up to 3 months. For longer storage, aliquot and store at -

20ºC.
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.