Anti-His tag (C-term) [3D5] Standard Size Ab00101-22.0

> This is a chimeric hamster antibody, based on the original mouse IgG2b format, created for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Hamster (Armenian) IgG, Kappa

Clone Number: 3D5

Alternative Name(s) of Target: polyhistidine tag

UniProt Accession Number of Target Protein: n/a

Published Application(s): FACS, WB, ELISA, FC

Published Species Reactivity: n/a

Immunogen: Purified his tagged Fab fragment.

Specificity: This antibody binds to carboxy-terminal oligo-histidine tags (6x His tags) of fusion proteins. It also has affinity for internal His-tags but no affinity for N-terminal His-tags.

Application Notes: This antibody was successfully used for ELISA, WB, and FACS. Monomeric and dimeric scFv versions of the antibody were generated and described (Lindner et al., 1997; PMID: 8994661). The scFv version of this antibody was engineered into a lentiviral vector system to confer specificity for cells displaying the His tag on their surface, enabling targeted gene transfer into HT1080-anti-His cells (Friedel et al., 2015; PMID: 25715658). This antibody was used in FC to detect Canine IL-17A in Canine IL-17A-transfected HEK293 A cells (Akiyama et al., 2019; PMID: 30885301).

Antibody First Published in: Lindner P, Bauer K, Krebber A, Nieba L, Kremmer E, Krebber C, Honegger A, Klinger B, Mocikat R, Plückthun A. Specific detection of his-tagged proteins with recombinant anti-His tag scFv-phosphatase or scFv-phage fusions. Biotechniques. 1997 Jan;22(1):140-9. PMID:8994661

Note on publication: Describes the making of the antibody, shows it recognised carboxy-terminal oligo-histidine tags (His tags) of a wide variety of proteins in immuno-assays of cell lines with His tag amplifications.

Product Form

Size: 200 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.