



Cat nr AE00336

Rat Recombinant Antibody, r3D5 to:

His epitope tag

Epitope tag, for the detection of recombinant proteins tagged with the HHHHH sequence.

Product Datasheet

Cellular localization

Official Symbol (Gene)

GenelD

SwissProt

| | |
|------------------------|--------------------|
| Confirmed Applications | ELISA, FC, IAP, WB |
| Positive controls | multitag protein |
| Aeonian Rating© | 100 |

Purification By Protein A from bioreactor concentrate

Formulation 1 mg IgG/ml in PBS with 0.02% Proclin 300

Amount 200ug 1000ug

Isotype Rat IgG2b, kappa, recombinant chimeric version of mouse IgG2b clone 3D5

Immunogen Fab-MmT1-(His)5 fragment

Epitope HHHHH

Storage instructions Avoid repeated freeze/thaw cycles. For long term storage, keep small aliquots at -20C or -80C and keep one aliquot at 4C for daily experimentations. Azide will preserve antibody at 4C for 6-12 months, when kept away from direct sun light.

Expiration Integrity warranted for 24 months after purchase when handled and stored according to instructions, see below.

Warranty This product is only warranted for the specifications as described in this product sheet and only when the product is handled and stored according to instructions. User should validate this antibody in the application and tissue/cell type as required, after confirmation of integrity upon receipt is obtained by reproducing the performance as described below. Should such confirmation not be attempted, any warranty is void. In case of non-conformance, user needs to contact us immediately for replacement or refund.

Liability This product is for in vitro research use only. Any other applications, such as diagnostics or therapeutics, or in vivo experiments, and the validation of this product therein, are solely at the responsibility of the buyer/user.

Product performance see next pages

Product data:

Immunoassays

Flow Cytometry (FC):

The original 3D5 His tag antibody was successfully used to detect immunogen-coated EL-4 murine T lymphoblast cells.

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. doi:

Enzyme-Linked immunosorbent assay (ELISA):

The original 3D5 His tag antibody was successfully used to detect His-tagged citrate synthase.

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. doi: 10.2144/97221rr01. PMID: 8994661.

ImmunoAffinity Purification (IAP):

The original 3D5 His tag antibody was successfully used to purify His-tagged ScFv proteins as a second step after immobilized metal-ion affinity chromatography.

Müller KM, Arndt KM, Bauer K, Plückthun A. Tandem immobilized metal-ion affinity chromatography/immunoaffinity purification of His-tagged proteins--evaluation of two anti-His-tag monoclonal antibodies. *Anal Biochem*. 1998 May 15;259(1):54-61. doi: 10.1006/abio.1998.2606. PMID: 9606143.

Western Blot (WB):

The original 3D5 His tag antibody was successfully used to detect multiple His-tagged proteins from E.coli lysates.

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. doi: