



Recombinant Version of Classic Clone

Cat nr AE00331

Product Datasheet

Rat Recombinant Antibody, rr9E10 to:

C-Myc epitope tag

Epitope tag for the detection of recombinant proteins tagged with the c-Myc tag amino acid sequence.

Cellular localization

Official Symbol (Gene)

GenelD

SwissProt

Confirmed Applications	ELISA, ICC, WB
Positive controls	COLO 320HSR, HeLa, HL60, N417, multi-tag 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 IgG2a, kappa, recombinant chimeric version of mouse IgG1 clone 9E10

Immunogen A synthetic peptide corresponding to aa 408-439 from the C-terminus of human MYC.

Epitope EQKLISEEDL, aa 410-419, Hilpert et al

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

Enzyme-Linked immunosorbent assay (ELISA):

The original clone 9E10 was successfully used as a capture antibody to detect His6-c-myc-GST-human IL8 protein

García-Maceira T, García-Maceira FI, González-Reyes JA, Paz-Rojas E. Highly enhanced ELISA sensitivity using acetylated chitosan surfaces. *BMC Biotechnol.* 2020 Aug 19;20(1):41. doi: 10.1186/s12896-020-00640-z. PMID: 32814567; PMCID: PMC7437170.

ImmunoCytoChemistry (ICC):

The original clone 9E10 was successfully used to detect Twinkle-MYCHIS protein in 143B(TK-) cells.

Garrido N, Griparic L, Jokitalo E, Wartiovaara J, van der Bliek AM, Spelbrink JN. Composition and dynamics of human mitochondrial nucleoids. *Mol Biol Cell.* 2003 Apr;14(4):1583-96. doi: 10.1091/mbc.e02-07-0399. PMID: 12686611.

Western Blot (WB):

The original clone 9E10 was successfully used to detect a 62kDa band in HeLa, HL60, COLO 320HSR and N417 lysates.

Evan GI, Lewis GK, Ramsay G, Bishop JM. Isolation of monoclonal antibodies specific for human c-myc proto-oncogene product. *Mol Cell Biol.* 1985 Dec;5(12):3610-6. doi: 10.1128/mcb.5.12.3610-3616.1985. PMID: 3915782.

Epitope determination:

Hilpert K, Hansen G, Wessner H, Küttner G, Welfle K, Seifert M, Höhne W. Anti-c-myc antibody 9E10: epitope key positions and variability characterized using peptide spot synthesis on cellulose. *Protein Eng.* 2001 Oct;14(10):803-6. doi: 10.1093/protein/14.10.803. PMID: 11739900.