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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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GAL-4, DNA Binding Domain. Mouse Monoclonal Antibody

BACKGROUND

GAL4 is a transcriptional activator which activates genes necessary for galactose catabolism. The DNA binding domain of GAL4 is contained in the first 74 amino acids and contains a zinc finger sequence motif. However, amino acids 1-147 have been shown to bind to DNA in vitro. While GAL4 (1-74) bind DNA specifically, it is with a lower affinity than the GAL4 (1-147). GAL4 (1-147) binds to a specific 17 base pair nucleotide sequence, but alone is insufficient to activate transcription. Either of the two acidic activating regions, activating region I (amino acids 148-238) or activating region II (amino acids 768-881), must be joined to activate transcription.

IMMUNOGEN

Hybridoma produced by the fusion of splenocytes from mice immunized with full length GAL4 expressed in E. Coli and mouse myeloma cells.

POSITIVE CONTROL/TISSUE EXPRESSION

COMMENTS

Recognizes a 106 kDa protein by Western blot in yeast cell extracts corresponding to amino acids 1-147 of the GAL4 DNA binding region. Western blot at 1-10 $\mu\text{g/ml}$. Optimal concentration should be evaluated by serial dilutions.

ORDERING INFORMATION

CATALOG NUMBER

Z150M

SIZE

100 μg

FORM

Unconjugated

HOST/CLONE

Mouse Clone 8C-1

FORMULATION

Provided as solution in phosphate buffered saline with 0.08% sodium azide

CONCENTRATION

See vial for concentration

ISOTYPE

IgG1

APPLICATIONS

Western blot, Immunoprecipitation

SPECIES REACTIVITY

Yeast

ACCESSION NUMBER

,

PURIFICATION

Protein A/G Chromatography

SHIP CONDITIONS

Ship at ambient temperature, freeze upon arrival

STORAGE CUSTOMER

Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles

STABILITY

Products are stable for one year from purchase when stored properly

REFERENCES

1. GAL4 is regulated by a glucose-responsive functional domain. Stone, G. & Sadowski, I. EMBO J. 1993, 12, 1375-1385.
2. An amino-terminal fragment of GAL4 binds DNA as a dimer. Carey, M., et al. J. Mol. Biol. 1989, 209, 423-432.
3. The DNA binding domains of the yeast Gal4 and human c-Jun transcription factors interact through the zinc-finger and bZIP motifs. Sollerbrant, K., et al. Nucleic Acids Res. 1995, 23, 588-594.