



Qty: 200 µg/400 µl

Mouse anti-GAL4

Catalog No. 33-8600

Lot No.

Mouse anti-GAL4

FORM

This monoclonal antibody is supplied as a 400 µL aliquot at 0.5 mg/ml in phosphate buffered saline (pH 7.4) containing 0.1% sodium azide. The antibody is Protein-A purified from mouse ascites.

IMMUNOGEN

A recombinant protein corresponding to amino acids 1-147 mapping within the amino terminal, DNA binding domain of GAL4.

CLONE: GAL4-8

ISOTYPE: IgG₁-kappa

SPECIFICITY

This monoclonal antibody is specific for the DNA binding domain of the *S. cerevisiae* GAL4 protein. The immunoreactive epitope maps within amino acids 1-92 of GAL4.

REACTIVITY

This antibody can be used to detect both N-terminal and C-terminal tagged Gal4₍₁₋₁₄₇₎ and Gal4₍₁₋₉₂₎ fusion proteins.

Sample	ELISA (Native)	Western Blotting
N-terminal GAL4(1-147) or GAL4(1-92) fusion proteins		+
C-terminal GAL4(1-147) or GAL4(1-92) fusion proteins		+
Immunogen	+++	

USAGE

Working concentrations for specific applications should be determined by the investigator. Optimal dilutions will be affected by several factors, including secondary antibody affinity, antigen concentration, sensitivity of detection method, temperature and length of incubations, etc. We recommend the following ranges as starting points for this product.

ELISA: 0.1 – 1.0 µg/ml
Western Blotting: 3 µg/ml

STORAGE

Store at 2-8°C for up to one month. Store at -20°C for long term storage. Avoid repeated freezing and thawing.

(cont'd)

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PI338600

(Rev 05/09) CC-08-1089

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BACKGROUND

GAL4 protein is a transcriptional activator that is required for the expression of genes that encode enzymes of galactose utilization. The N-terminal domain of GAL4 binds to specific DNA sequences and the C-terminal domain contains acidic regions, which are required for activating transcription. GAL4 has been useful in two-hybrid assays for the study of protein-protein interactions.^(1,2)

REFERENCES

1. Fields, S. and Song, O., Nature 340:245-246 (1989)
2. Sadowski, I. and Ptashne, M., Nucleic Acids Res. 17:7539 (1989).

RELATED PRODUCTS

<i>Product</i>	<i>Conjugate</i>	<i>Catalog No.</i>
Goat anti-Mouse IgG (H+L) (ZyMAX™ Grade)	purified	81-6500
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	TRITC	81-6514
	Cy™3	81-6515
	Cy™5	81-6516
	HRP	81-6520
	AP	81-6522
	Biotin	81-6540
rec-Protein G	Sepharose® 4B	10-1241
Protein A	Sepharose® 4B	10-1041

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