

# CELL LINES FOR FUSION PARTNERS FOR T CELL HYBRIDOMAS

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## ABSTRACT

These cell lines can be used as fusion partners for generating mouse T cell hybridomas. The antigen specific activation response of the T cell hybridomas generated by these cell lines can be measured using either conventional IL-2 assay or assays for the beta-galactosidase enzymatic activity which is specifically induced in these hybridomas. The ability to measure T cell activation using the beta-galactosidase activity is unique to the hybridomas generated with these fusion partners and allows detection of activated T cells either at a single cell level or in bulk-culture. The beta-galactosidase inducible T cell hybridomas can be used to identify unknown T cell stimulating antigens, receptor ligands, as well as unknown mechanisms of MHC class I and MHC class II antigen processing pathways.

## References:

Karttunen and Shastri 1991 PNAS 88:3972-6

Karttunen et al. 1992 PNAS 89:6020-4

Sanderson and Shastri 1994 Int. IMMunol. 6:369-76

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## OTHER INFORMATION

### KEYWORDS

cell line, research tool, antibody

### CATEGORIZED AS

» **Research Tools**

» Antibodies

» Cell Lines

### RELATED CASES

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