



RayBiotech, Inc.

3607 Parkway Lane suite 200
Norcross, GA 30092
Tel: 770-729-2992, 1-888-494-8555
Fax: 770-206-2393
Website: www.raybiotech.com
Email: info@raybiotech.com

Certificate of Analysis and Data Sheet

Mouse Anti-Doublesex

| | | | |
|--------------------|-----------------------|-------------------------|----------------------|
| Catalog No. | Isotype/Clone: | Species: | Accession No: |
| 130-00020 | Mouse IgG1/ 2E11.C112 | Drosophila Melanogaster | AAA17840 |

Description

The doublesex (dsx) gene regulates somatic sexual differentiation in both sexes in *D. melanogaster*. Two functional products are encoded by dsx: one product is expressed in females and represses male differentiation, and the other is expressed in males and represses female differentiation. The protein functions are needed to further investigate.

Applications

Table Summary of antibody applications and working conditions

| Options Functions | YES | NO | Not determined | Recommended Work dilution or concentration |
|---------------------------|-----|----|-------------------|--|
| ELISA | * | | | 1:1000-5000 |
| Western Blotting | * | | | 1:1000-2000 |
| Immunohistology - frozen | | | # | |
| Immunohistology -paraffin | | | # | |
| Immunohistology - resin | | | # | |
| Immunoprecipitation | | | # | |
| Flow Cytometry | | | # | |
| Immunofluorence staining | | | # | |
| Neutralization | | | # | |

Note: Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application.

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**



RayBiotech, Inc.

3607 Parkway Lane suite 200
Norcross, GA 30092
Tel: 770-729-2992, 1-888-494-8555
Fax: 770-206-2393
Website: www.raybiotech.com
Email: info@raybiotech.com

Preparation

Immunogen was recombinant protein derived from Drosophila Doublesex (aa35-93). This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with the immunogen. The IgG fraction of tissue culture supernatant was purified by Protein G/A affinity chromatography.

Specificity

This antibody was selected for its ability to detect Drosophila Doublesex (aa35-93). In ELISA and Western Blot, this antibody showed specifically binding to recombinant protein from Drosophila Doublesex and there was no cross-reactivity with tested proteins from Drosophila Doublesex.

Reconstitution

Supplied as lyophilized and purified antibody originally containing PBS, without **Preservative Stabilizers**, liking Sodium Azide. *It final concentration is indicated in shipping vial.*

The antibody is stable for at least years from the data of receipt when stored at -20°C to -70°C . Reconstituted antibody (suggesting with sterile PBS) can also be aliquotted and stored frozen at -20°C to -70°C in a manual defrost freezer for months without detectable loss activity. Upon reconstitution, the antibody can be stored at 4°C for 1 month. **Please avoid freeze-thaw cycles.**

Storage

Store at -20°C , if not intended for use within a month, keep it at 4°C and minimize freezing and thawing when use.

Reference

Baker, B. S., and Belote, J. M. (1983). Sex determination and dosage compensation in Drosophila melanogaster. Annu. Rev. Genet. 77,345-393.

Oliver, B., Perrimon, N., and Mahowald, A. 1? (1988). Genetic evidence that the saris fille locus is involved in Drosophila sex determination. Genetics 720, 159-171.

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**