

My Account

[Login](#)
[Create Account](#)

Resources

[View All \(813\)](#)
[Adenoviruses \(137\)](#)
[Antibodies \(175\)](#)
[Bioimages \(67\)](#)
[Genomics Studies \(145\)](#)
[mESC Lines \(68\)](#)
[Mouse Strains \(120\)](#)
[Miscellaneous \(46\)](#)
[Protocols \(55\)](#)
[Research Data \(4\)](#)
[Resource Tags \(389\)](#)
[Visualization \(9\)](#)

Research & Cores

[Core Facilities \(5\)](#)
[Research Highlights \(5\)](#)
[Research Networks](#)
[Research Objectives](#)

Information

[About the BCBC](#)
[BCBC Events](#)
[Branding & Logos](#)
[Career Opportunities](#)
[Health](#)
[NIH hESC Registry](#)
[Policies & Guidelines](#)
[Member Publications](#)
[Research Programs](#)
[Research Investigators](#)
[Member Directory](#)
[Tutorials](#)

Monoclonal Mouse Mo ES-Derived Definitive Endoderm raised in Rat - Antibody RES344

Antibody Information

Antibody ID:	AB2213
Antigen:	Mo ES-Derived Definitive Endoderm <i>(No Gene ID associated)</i>
Type:	Monoclonal
Isotype:	IgG1
Immunogen Source:	Cell
Raised In:	Rat
Peptide:	<i>Not provided</i>
Source of Antigen:	Mouse
Cross Reacts With:	Unknown
Affinity Purified:	Supernatant
Purity Details:	<i>Not provided</i>
Positive Control:	Mouse ES cells exposed to Activin for 6D
Notes:	The monoclonal antibody produced by hybridoma DMBC0 8-E10 reacts with a cell surface molecule on mouse ES-derived definitive endoderm. The antibody reacts with definitive endoderm derived from ES cells differentiated for 6D with activin (Foxa3 positive cells), and does not react with ES cells differentiated under conditions giving rise to mesoderm or ectoderm. The monoclonal antibody has also been found to react with cells in the developing mouse embryo. This hybridoma was developed by the Keller, Streeter, and Grompe Laboratories.

Applications and Uses


Application	Concentration	Storage Buffer	Protocols and Description
FACS	<i>Not provided</i>	Tissue Culture Media	Description: A standard two-step staining strategy can be used with this rat monoclonal antibody. Incubate test cells with supernatant (30 min on ice). Wash cells 1X with PBS containing 2% FBS. Resuspend cells in a fluorochrome-conjugated secondary anti-rat Ig (H+L). The secondary antibody used in the figures shown here was an APC-donkey anti-rat IgG (H+L) (Jackson ImmunoResearch Laboratories, Inc.; diluted 1:200). Wash cells again in PBS and evaluate. If additional staining with a conjugated rat antibodies is desired, block any anti-rat binding sites with rat IgG (50 ug/mL for 10 min), then add titrated conjugated rat antibody. Protocols:

Associated Images


Image 1

Description:
The monoclonal antibody produced by hybridoma DMBC0 8-E10 reacts with ES-derived mouse definitive endoderm. Mouse definitive endoderm, derived by treatment of embryonic stem cells with activin (6D) expresses Foxa3 and the cell surface molecule recognized by the monoclonal antibody produced by hybridoma DMBC0

Access Status

 This resource is publicly viewable.

Request this Resource


 Request from a repository

Primary contributor: [Grompe Lab](#)

Co-contributed by:
• [Streeter Lab](#)

Resource Tags


antibody, FACS, Mo ES-Derived Definitive Endoderm, Monoclonal, Mouse

 Login to edit tags

 Read more about tags

Resource History & Actions

Approved on
Last modified on Dec 19, 2007

 Login to edit or request an edit

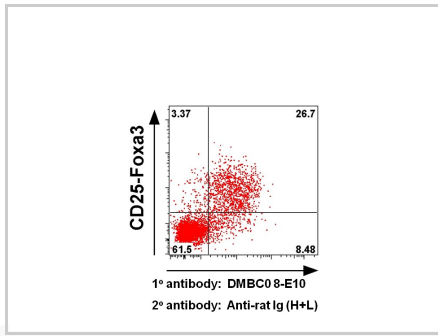
Related resources**BCBC**

No matching resources

Other Consortia

No matching resources

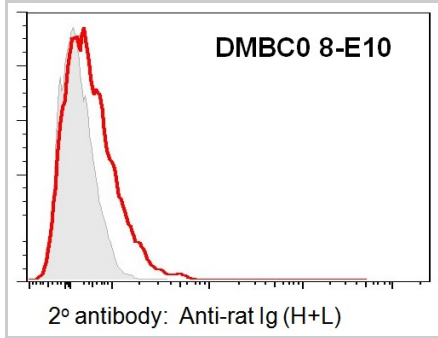
Data courtesy of [dkCOIN](#). Only public resources are displayed.



8-E10.

Reference:
Not provided

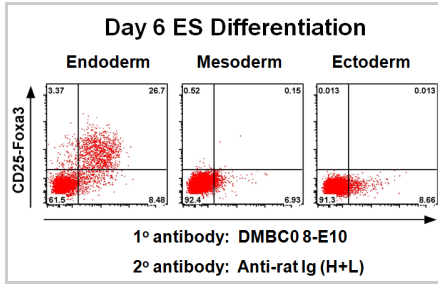
Image 2



Description:
The monoclonal antibody produced by hybridoma DMBC0 8-E10 does not react with mouse embryonic stem cells. Mouse embryonic stem cells incubated with secondary antibody alone (shaded region) or DMBC0 8-E10 monoclonal antibody plus APC-conjugated secondary antibody (black line). The results indicate no substantive staining of ES cells.

Reference:
Not provided

Image 3



Description:
The monoclonal antibody produced by hybridoma DMBC0 8-E10 reacts with ES-derived mouse definitive endoderm, but not with ES-derived mesoderm or ectoderm.

Reference:
Not provided

Repositories

Streeter Lab

Out of stock

Stock #: Not provided

Availability Notes: Not provided

Contact Information

Preferred Contact

Name Philip Streeter

Institution Oregon Health & Science University

Phone 503-494-1762

Email streetep@ohsu.edu

Associated Publications

No publications associated

Comments

There are no comments for this entry.

[Login to add comments](#)

