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## Monoclonal Mouse Mo ES-Derived Definitive Endoderm raised in Rat - Antibody RES345

**Antibody Information**

<b>Antibody ID:</b>	AB2233
<b>Antigen:</b>	Mo ES-Derived Definitive Endoderm <i>(No Gene ID associated)</i>
<b>Type:</b>	Monoclonal
<b>Isotype:</b>	IgM
<b>Immunogen Source:</b>	Cells
<b>Raised In:</b>	Rat
<b>Peptide:</b>	<i>Not provided</i>
<b>Source of Antigen:</b>	Mouse
<b>Cross Reacts With:</b>	Unknown
<b>Affinity Purified:</b>	Supernatant
<b>Purity Details:</b>	<i>Not provided</i>
<b>Positive Control:</b>	Mouse ES cells exposed to Activin for 6D
<b>Notes:</b>	The monoclonal antibody produced by hybridoma DMBC2 8-G10 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 DMBC2 8-G10 does not react with mouse embryonic stem cells. Mouse embryonic stem cells incubated with secondary antibody alone (shaded region) or DMBC2 8-G10 monoclonal antibody plus APC-conjugated secondary antibody (black line). The results indicate no substantive staining of ES


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Co-contributed by:

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**Resource Tags**


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

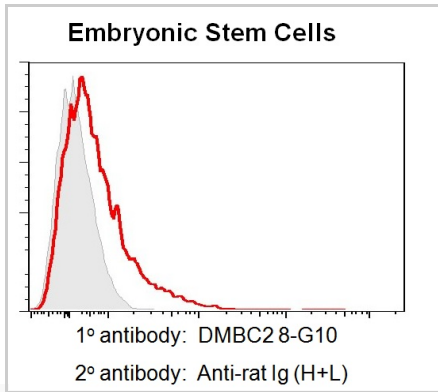
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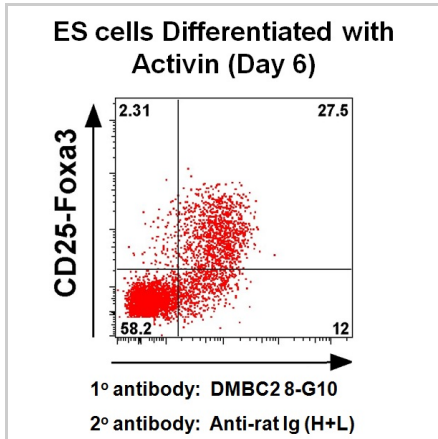
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cells.

**Reference:**  
Not provided

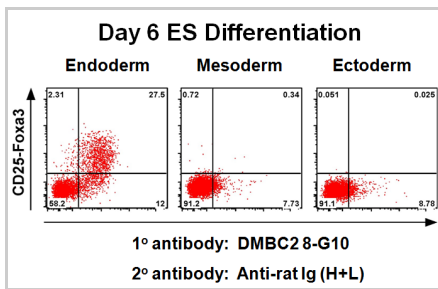
Image 2



**Description:**  
The monoclonal antibody produced by hybridoma DMBC2 8-G10 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 DMBC2 8-G10.

**Reference:**  
Not provided

Image 3



**Description:**  
The monoclonal antibody produced by hybridoma DMBC2 8-G10 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


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## Associated Publications

No publications associated

## Comments

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