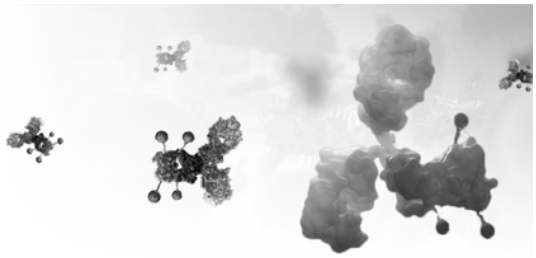

Mouse anti-Human TRA-1-81 Antigen monoclonal antibody, clone USB-2-92 (CABT-B9351)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	Human Embryonal Carcinoma Cell Line
Isotype	IgM, κ
Source/Host	Mouse
Species Reactivity	Human, Rhesus
Clone	USB-2-92
Purification	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.
Conjugate	Unconjugated
Applications	WB; Bioimaging; IP; RIA; FC
Format	Liquid
Concentration	0.5 mg/ml
Size	100 µg
Buffer	Aqueous buffered solution containing ≤0.09% sodium azide.
Storage	Store undiluted at 4°C.

BACKGROUND

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Introduction	The TRA-1-81 monoclonal antibody reacts with a pluripotent-stem-cell-specific epitope on a high-molecular-weight transmembrane glycoprotein. The TRA-1-81 antigen is an epitope on the same keratan sulfate core molecule, podocalyxin, as 4 other distinct antigens on tumor-derived cell lines, TRA-1-60, GCTM2, K4, and K21. The expression of TRA-1-81 antigen is stage-specific and can be used to characterize embryonic cells and monitor their differentiation. The antigen is found on teratocarcinoma (embryonal carcinoma or EC), embryonic inner cell mass (but not morula or trophoblast), and embryonic stem (ES) cells. As human EC and ES cells undergo differentiation, expression of TRA-1-81 antigen is lost.
Keywords	PODXL; podocalyxin-like; PC; PCLP; Gp200; PCLP-1; podocalyxin; GCTM-2 antigen; podocalyxin-like protein 1;

GENE INFORMATION

Entrez Gene ID	5420
UniProt ID	O00592

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