OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SM289P

CD71 / TFRC Mouse Monoclonal Antibody [Clone ID: OX-26]

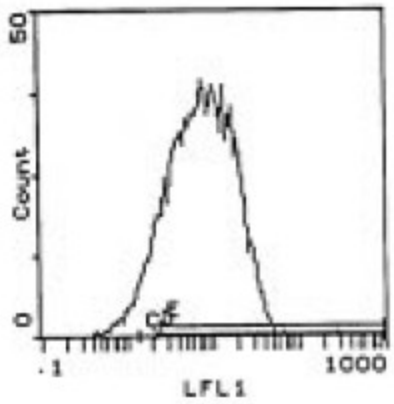
Product data:

Product Type:	Primary Antibodies
Clone Name:	OX-26
Applications:	FC, IHC, IP
Recommended Dilution:	Flow cytometry. Immunoprecipitation. Immunohistochemistry on frozen sections. This antibody does not block the binding of transferrin to the receptor.
Reactivity:	Rat
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	PHA activated lymph node cells of a PVG rat
Specificity:	This antibody recognizes the transferrin receptor. Results of flow cytometry analysis (Tissue distribution): Rat Strain: Fischer Cell concentration : 1x10e6 cells per test Antibody concentration used: 0.5 µg/10e6 cells Isotypic control: Mouse IgG2a Cell source percentage of cells stained above control: Bone Marrow 20.5% T Cell Blasts 92.2% (see picture below) Spleen 12.5%
Formulation:	PBS with 0.02% sodium azide as preservative State: Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Protein G affinity chromatography
Conjugation:	Unconjugated

View online »

Storage:	Store the antibody at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Database Link:	Q99376
Background:	Transferrin receptor, a 95kDa molecule is found on proliferating cells and brain endothelium.
Synonyms:	TfR1, p90, Transferrin receptor protein 1
Note:	Protocol: FLOW CYTOMETRY ANALYSIS: Method: 1. Prepare a cell suspension in media A. For cell preparations, deplete the red blood cell population 2. Wash 2 times. 3. Resuspend the cells to a concentration of 2x10e7 cells/ml in media A. Add 50 µl of this suspension to each tube (each tube will then contain 1x10e6 cells, representing 1 test). 4. To each tube, add 0.5 µg of SM289P . 5. Vortex the tubes to ensure thorough mixing of antibody and cells. 6. Incubate the tubes for 30 minutes at 4°C. 7. Wash 2 times at 4°C. 8. Add 100 µl of secondary antibody (FITC Goat anti-mouse IgG (H+L)). 9. Incubate the tubes at 4°C for 30-60 minutes. (It is recommended that the tubes are protected from light since most fluorochromes are light sensitive). 10. Wash 2 times at 4°C in media B. 11. Resuspend the cell pellet in 50 µl ice cold media B. 12. Transfer to suitable tubes for flow cytometric analysis containing 15 µl of propidium iodide at 0.5 mg/ml in PBS. This stains dead cells by intercalating in DNA. Media: A. Phosphate buffered saline (pH 7.2) + 5% normal serum of host species + sodium azide (100 µl of 2M sodium azide in 100 mls). B. Phosphate buffered saline (pH 7.2) + 0.5% Bovine serum albumin + sodium azide (100 µl of 2M sodium azide in 100 mls).

Product images:



Flow cytometric analysis: Cell source is T Cell Blasts. Percentage of cells stained above control: 92.2%