Peninsula Laboratories, LLC

A Member of the Bachem Group

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Monoclonal Antibody To Rat CD71

Transferrin Receptor

Monoclonal antibody OX-26 is useful for detecting dividing cells of various types. It therefore allows a more detailed characterization of myeloid cell development when used in combination with other appropriate markers. OX-26 also detects some non-dividing cells such as endothelial cells in brain capillaries.

Product Number:	T-3101
Clone:	OX-26
Host species, isotype:	Mouse IgG2a
Quantity:	250µg
Format:	Purified, liquid
	Supplied as 0.25ml solution. This stock solution contains 1mg/ml IgG, phosphate buffered saline pH 7.2 (PBS), no stabilizer and 0.1% sodium azide as a preservative.
Stability:	Stock solution and aliquots thereof: 1 year at -20°C. Avoid repeated thawing and freezing.
Applications:	Tested for immunohistochemistry (IHC); has been described to work in FACS.
	Approximate working dilution for IHC: Frozen sections: 20µg/ml (1:50) Paraffin sections: not tested:
	Optimal dilutions should be determined by the end user.
	Suggested positive control: rat spleen, rat brain
Immunogen:	Activated lymphocytes.
Antigen, epitope:	OX-26 precipitates a 195kDa / 95kDa protein under non-refucing / reducing conditions, respectively.
Antigen distribution:	**Isolated cells:** Myeloid precursor cells of the bone marrow. Lymphopoietic stem cells of the bone marrow and foetal liver cells are not detected by OX-26.
	Tissue sections: Endothelial cells of brain capillaries.

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Specificity: **Rat:** myeloid proliferative cells, endothelium of brain capillaries.

Other species: not tested.

Selected references

JEFFERIES,W.A., BRANDON,M.R., HUNT,S.V., WILLIAMS,A.F., GATTER,K.C., MASOND.Y.: Transferrin Receptor on Endothelium of Brain Capillaries. Nature: 312, 162 - 163 (1984).

PERRY,H., GORDON,S.: Modulation of CD 4 Antigen on Macrophages and Microglia in Rat Brain. J. Exp. Med.: 166, 1138 - 1143 (1987).