

Mouse anti-CD10, clone FR4D11 (Monoclonal)

Clone no. FR4D11

MONOSAN

Product name	Mouse anti-CD10, clone FR4D11 (Monoclonal)
Host	Mouse
Applications	FC, IHC-fr, IF
Species reactivity	human
Conjugate	-
Immunogen	Raji cells
Isotype	IgG1-K
Clonality	Monoclonal
Clone number	FR4D11
Size	100 ug
Concentration	100 ug/ml
Format	-
Storage buffer	PBS with 0.02% sodium azide
Storage until expiry date	2-8°C

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

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Additional info

FR4D11 reacts with high affinity to CD10 or CALLA, a cell surface enzyme with neutral metalloendopeptidase activity, inactivating a variety of biologically active peptides. CD10 is a 100 kDa glycoprotein, expressed on 70% of pre-B ALL-cells (common ALL), but also on early lymphoid progenitor-cells in bone marrow and fetal liver. Other normal CD10 positive tissues include renal epithelium, fibroblasts and germinal centre B-cells. Density of CD10 antigen has been shown to be related to cell differentiation and may have prognostic value for B-cell lineage acute leukemia. CD10 is also present on breast myoepithelial cells, bile canaliculi, fibroblasts, with especially high expression on the brush border of kidney and gut epithelial cells.

References

1. Brown, B. et al., J. Natl. Canc. Inst., 55: 1281-1289 (1975)
2. Tran-Paterson, R. et al., Blood, 76: 775-782 (1990)
3. Doerken, B. et al., in Knapp, W. et al. (eds), Leucocyte Typing IV, Oxford Univ. P
4. Lavabre-Bertrand, T., et al., Cytometry, 18: 209-217 (1994)
5. -

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