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Monoclonal Antibody to Human Endothelial Cells

Marker For Healthy Endothelial Cells

Monoclonal antibody KG 7/30 is an interesting marker for the characterization of healthy tissues. In combination with other monoclonal antibodies it allows the characterization of tumorous tissues. Of practical interest is particularly the fact that the KG 7/30 antigen decreases with increasing malignancy of endothelium derived tumour cells.

Product Number:	T-1104 (Lot 03PO9004)
Clone:	KG 7/30
Host species, isotype:	Mouse IgG2a
Quantity:	50µg
Format:	Affinity purified, lyophilized
	Reconstitute by adding 0.5ml distilled water. This stock solution contains 0.1mg/ml IgG, phosphate buffered saline pH 7.2 (PBS), 10mg/ml bovine serum albumin (BSA) as a stabilizer and 0.01% thimerosal as a preservative.
Stability:	Original vial: 1 year at 4° - 8°C
	Stock solution or aliquots thereof: 1 year at -20°C. Avoid repeated thawing and freezing.
Applications:	Tested for immunohistochemistry (IHC).
	Approximate working dilution for IHC: Frozen sections: 0.5 - 2µg/ml (1:50 - 1:200) Paraffin sections: does not react on routinely processed paraffin sections. Optimal dilutions should be determined by the end user.
	Suggested positive control: Human placenta, tonsil.
	Please see **www.bma.ch** for protocols and general information.
Immunogen:	Cultured human endothelial cells.
Antigen, epitope:	The antigen or epitope have not been characterized.
Antigen distribution:	**Isolated cells:** The antigen is found in the cytoplasm of cultured endothelial cells of all organs, freshly isolated thrombocytes and megakaryocytes. The antigen expression decreases with increasing number of cell passages.

	Tissue sections: Endothelial cells in healthy tissues of all organs except small capillaries. The antigen expression is more pronounced in venous than in arterial vessel types. Capillaries of the lung and kidney are negative. The antigen expression decreases in tumorous tissues.
Specificity:	**Human:** endothelial cells.
	Other: bovine and porcine endothelial cells.

For *in vitro* research only. Caution: this product contains thimerosal, a poisonous and hazardous substance.