

ELISA-VIDITEST anti-VIMENTIN kit is intended for the detection of IgG to vimentin in human serum.

Vimentin, desmin, glial fibrillary acidic protein and peripherin are four proteins classified as type III intermediate filaments. Among the four proteins vimentin is the most widely distributed, it is a cytoskeletal part in leukocytes, blood vessel endothelial cells, in some epithelial cells and in cell of mesenchymal origin (fibroblasts).

Serum autoantibodies against vimentin were found elevated in patients with neurofibromatosis type I (1), in patients with graft rejections of transplanted organs (2) and in patients with interstitial lung fibrosis (3).

ELISA-VIDITEST

RUO

REF	Product	Method	Evaluation	Wells	Sample
ODZ-403	anti-VIMENTIN IgG	ELISA	semiquant.	96	serum

References:

- 1) Kotaska K, Petrak B, Kukacka J, Kraus J, Prusa R. Anti-vimentin antibodies and neuron-specific enolase in children with neurofibromatosis type-1. *Neuro Endocrinol Lett.* 2007 Dec;28(6):761-4.
- 2) Jonker M, Danskin A, Haanstra K, Wubben J, Kondova I, Kuhn EM, Rose M. The autoimmune response to vimentin after renal transplantation in nonhuman primates is immunosuppression dependent. *Transplantation.* 2005 Aug 15;80(3):385-93.
- 3) Yang Y, Fujita J, Bandoh S, Ohtsuki Y, Yamadori I, Yoshinouchi T, Ishida T. Detection of antivimentin antibody in sera of patients with idiopathic pulmonary fibrosis and non-specific interstitial pneumonia. *Clin Exp Immunol.* 2002 Apr;128(1):169-74.



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