Datasheet for ABIN996889
PRTN3 ELISA Kit

Overview

Quantity:	96 tests
Target:	PRTN3
Method Type:	Competition ELISA
Application:	ELISA

Product Details

Purpose:	Proteinase-3 (PR-3) Enzyme-Linked Immunosorbent Assay (ELISA) is intended for the detection and semiquantitative determination of antibodies to PR-3 in human sera. The assay is to be used to detect antibodies in a single serum specimen. The results of the assay are to be used as an aid in the diagnosis of Wegener's granulomatosis
Analytical Method:	Semi-Quantitative
Detection Method:	Colorimetric
Specificity:	95.6%
Sensitivity:	98.2%

Target Details

Target:	PRTN3
Alternative Name:	PR3 (c-ANCA) (PRTN3 Products)
Background:	Proteinase-3 is a lysosomal enzyme that can be found in human neutrophils. There are two subsets of autoantibodies to human neutrophils: c- ANCA and p-ANCA. The first subtype, c-ANCA, shows cytoplasmic staining by IFA and is diagnostic for Wegener's granulomatosis. The

Target Details

major antigen responsible for the c-ANCA staining is Proteinase-3. The second subtype, p-ANCA, shows perinuclear staining by IFA. The major antigen responsible for the p-ANCA response has been shown to be myeloperoxidase. The ANCA staining patterns are obtained using ethanol-fixed human neutrophils. Anti- PR-3 autoantibodies have been associated with Wegener's granulomatosis but less often with microscopic polyangiitis. Other antigen specificity's (CAP 57) can be responsible for the c-ANCA pattern. These antigens are generally not diagnostic for PR-3 associated vaculitus diseases.

Application Details

Sample Volume:	10 µL
Assay Time:	1 - 2 h
Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage:	4 °C
Expiry Date:	12 months