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

The 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 vasculitis diseases.

Application Details

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<tr>
<th>Sample Volume:</th>
<th>10 µL</th>
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<tbody>
<tr>
<td>Assay Time:</td>
<td>1 - 2 h</td>
</tr>
<tr>
<td>Plate:</td>
<td>Pre-coated</td>
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<td>Restrictions:</td>
<td>For Research Use only</td>
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Handling

<table>
<thead>
<tr>
<th>Storage:</th>
<th>4 °C</th>
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<tr>
<td>Expiry Date:</td>
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