



ANCA – Diagnostics

Quantitative and qualitative detection of
Anti-PR3 (c-ANCA) and Anti-MPO (p-ANCA)



The nomenclature of ANCA is derived from indirect immunofluorescence tests. In ethanol fixed human neutrophilic granulocytes anti-PR3 antibodies show a diffuse granular cytoplasmic pattern (c-ANCA), whereas anti-MPO antibodies are reactive in the periplasmic region (p-ANCA). The prime cellular target antigens are **Proteinase 3** (PR3) for c-ANCA and **Myeloperoxidase** (MPO) for p-ANCA.

MASTAZYME™ Anti-PR3 and **MASTAZYME™ Anti-MPO** are designed for user-friendly diagnostics.

Antigens

- Affinity chromatographically purified human antigens
- Good correlation with immunofluorescence
- Negligible background reactivity
- No cross reactivity to other antinuclear antibodies (ANA)

Calibration

- Qualitative or quantitative test procedures
- Calibration curve with 6 specified calibrators, one being a cut-off calibrator
- Facilitates high reproducibility

Test Procedure

- Adapted easily to automation by using the same buffer and/or reagent system for both Anti-PR3 and Anti-MPO tests
- Same procedure as for all other MASTAZYME™ autoimmune ELISAs

Test Procedure

100 µL prediluted samples,
controls or calibrators



30 min incubation at
room temperature



Wash 3 x



100 µL enzyme conjugate



30 min incubation at
room temperature



Wash 3 x



100 µL TMB substrate



15 min incubation at
room temperature



100 µL stopping solution



read optical density at 450 nm

reaction time: 75 min

ORDERING INFORMATION

MASTAZYME™ ELISA

For 12 x 8 Tests:	Order Code:
Anti-PR3 (c-ANCA, Proteinase 3)	735013
Anti-MPO (p-ANCA, Myeloperoxidase)	735012