

# IFA Assays for ANCA

Immunofluorescence assay for the determination of antibodies against neutrophil cytoplasmic antigens



**NEW**  
**ANCA dual**  
**assays**

CE

## Product Highlights

- Broad Screening Capability for ANCA associated vasculitis (AAV) and other Autoimmune Diseases
- High Sensitivity through Native Antigen Structure Preservation
- Suitable for Automatic Imaging and Evaluation

## YOUR RELIABLE PARTNER IN AUTOIMMUNE DIAGNOSTICS

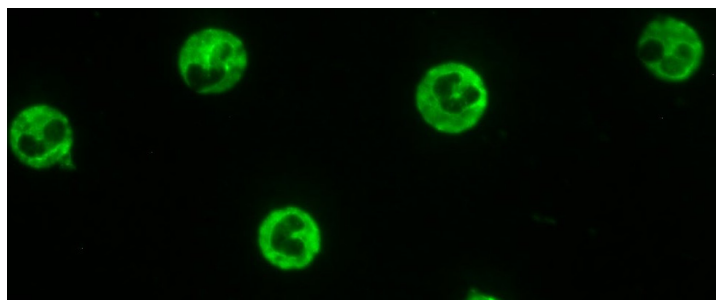
30 Years of Experience, 150 Partners in more than 100 Countries

### Diagnosis of Systemic Vasculitis

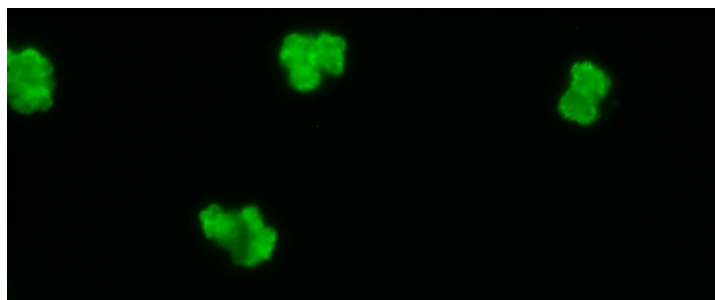
#### Anti-neutrophil cytoplasmic antibodies (ANCA)

Systemic vasculitis (SV) is characterized by inflammation of blood vessel walls, leading to morphological changes that can affect both arteries and veins. Clinical manifestations are often non-specific, such as fatigue, fever, and weight loss, with the severity and progression depending on the vascular territory involved. Anti-neutrophil cytoplasmic antibodies (ANCA) are a group of autoantibodies primarily associated with systemic vasculitis, especially small vessel vasculitis.

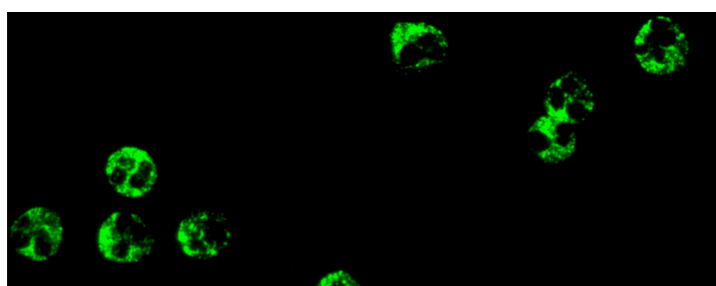
**cANCA on ethanol fixed neutrophils (anti-PR3)**



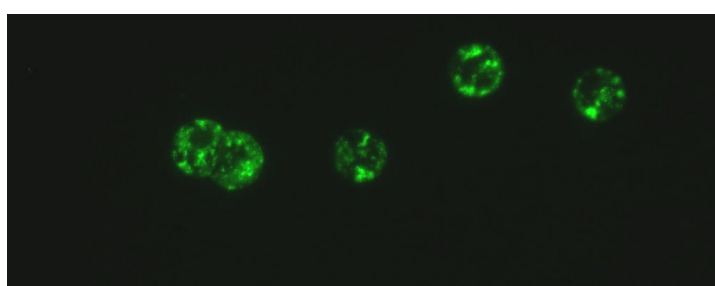
**pANCA on ethanol fixed neutrophils (anti-MPO)**



**cANCA on formalin fixed neutrophils (anti-PR3)**



**cANCA on formalin fixed neutrophils (anti-MPO)**

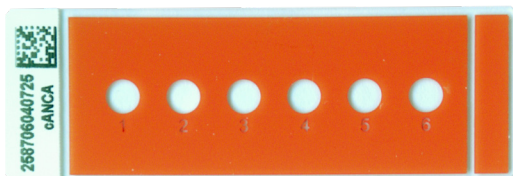


These antibodies are directed against components of the neutrophil cytoplasm and play a central role both in the pathogenesis and diagnosis of several ANCA-associated vasculitis (AAV), including granulomatosis with polyangiitis (GPA), microscopic polyangiitis (MPA), and eosinophilic granulomatosis with polyangiitis (EGPA).

ANCA can also be found in other conditions like inflammatory bowel disease, rheumatoid arthritis, and some drug-induced vasculitis.

## Immunofluorescence Assays

ANCA detection is primarily performed by indirect immunofluorescence (IFA) using ethanol-fixed neutrophils. Cytoplasmic (cANCA) and perinuclear (pANCA) fluorescence are the two main identified patterns. Ethanol fixation induces protein redistribution, which facilitates pattern recognition. Because other kind of antibodies can show similar pattern, i.e. antinuclear antibody (ANA), formalin fixation is applied in parallel to preserve cellular structures and improve differentiation, thereby enhancing diagnostic specificity.



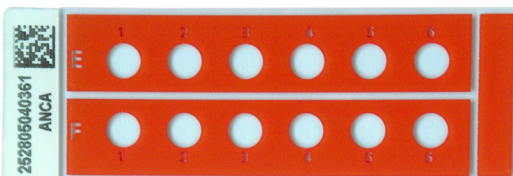
### cANCA IFA Plus / AKLIDES® cANCA

Designed for the detection of ANCA, specially cANCA pattern, in ethanol-fixed human granulocytes.



### pANCA IFA Plus / AKLIDES® pANCA

Designed to support the differentiation of AAV antibodies from other ANCA antibodies in formalin-fixed human granulocytes.



### ANCA IFA dual / AKLIDES® ANCA dual

Designed for the detection and differentiation of ANCA patterns using ethanol- and formalin-fixed human granulocytes on a single slide.

**NEW**

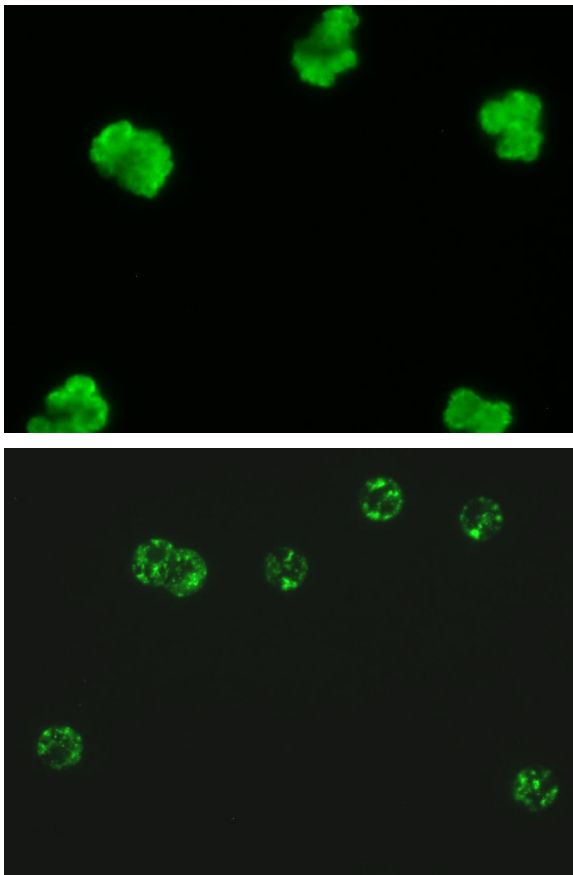


### CytoBead® ANCA / AKLIDES® CytoBead® ANCA

Designed for the detection of ANCA in ethanol-fixed human granulocytes as well as determination of antibodies against proteinase 3 (PR3), myeloperoxidase (MPO), and glomerular basement membrane (GBM).

## Automation

ANCA kits from the AKLIDES® family are specially designed for automated positive/negative classification, pattern recognition (up to five patterns), and precise endpoint titer estimation by the akiron® NEO. Additionally, the quantitative determination of antibodies against PR3, MPO, and GBM is enabled by Akiron® NEO with CytoBead® technology.



# ANCA

Immunofluorescence assays for Determining Antibodies Against Neutrophil Cytoplasmic Antigens (ANCA)

## HIGH QUALITY – MADE IN GERMANY

Our comprehensive portfolio of ANCA diagnostic solutions offers innovative and reliable tools for the detection of ANCA-related autoantibodies. Combining advanced technologies including automated imaging, multiplex bead assays, and classic immunofluorescence our systems deliver sensitive, specific, and reproducible results. Designed for seamless workflow integration and adaptable to diverse laboratory needs, our products support healthcare professionals worldwide in providing accurate diagnoses and improving patient care.

### Order Information

| Manual         | REF   | Automated                  | REF  |
|----------------|-------|----------------------------|------|
| ANCA IFA dual  | 87261 | AKLIDES® ANCA dual         | 4472 |
| cANCA IFA plus | 87061 | AKLIDES® cANCA             | 4060 |
| pANCA IFA plus | 87161 | AKLIDES® pANCA             | 4072 |
| CytoBead® ANCA | 8063  | AKLIDES®<br>CytoBead® ANCA | 4270 |

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