



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Anti-Pyrrolate Protein [3C8] Standard Size Ab03261-10.0

This chimeric human antibody was made using the variable domain sequences of the original Mouse IgM format for improved compatibility with existing reagents assays and techniques.

**Isotype and Format:** Human IgG1, Kappa

**Clone Number:** 3C8

**Alternative Name(s) of Target:** pyrP; Lysine N-pyrrolation; pyrK

**UniProt Accession Number of Target Protein:**

**Published Application(s):** ELISA

**Published Species Reactivity:** Human

**Immunogen:** The original antibody was isolated from the repertoire of the B-1a cell populations in the apoE deficient (apoE<sup>-/-</sup>) mice. Spleen cells from male apoE<sup>-/-</sup> mice at 21 weeks of age were fused with P3/U1 murine myeloma cells, and after screening based on specific binding to pyrBSA

**Specificity:** This antibody reacts specifically with pyrrolated protein and does not cross react with DNA. Lysine N-pyrrolation is a post translational modification, a unique covalent modification that converts lysine residues to Nε-pyrrole-L-lysine (pyrK). It imparts electronegative properties to proteins, causing them to mimic DNA and the proteins acquire an electrical conductivity via lysine N-pyrrolation.

**Application Notes:** This antibody is recommended for determination of pyrrolated proteins in a sample. The binding reactivity of this antibody towards pyrrolated-BSA protein was determined using ELISA. This antibody does no cross react with DNA in ELISA (PMID: 35031322).

**Antibody First Published in:** Lim et al. Unique B-1 cells specific for both N-pyrrolated proteins and DNA evolve with apolipoprotein E deficiency. J Biol Chem. 2022 Jan 11;101582. [PMID:35031322](#)

**Note on publication:** This paper evaluates the role of pyrrolated proteins in innate immunity using antibodies from apoE-deficient (apoE<sup>-/-</sup>) hyperlipidemic mice.

### Product Form

**Size:** 200 µg Purified antibody.

**Purification:** Protein A affinity purified

**Supplied In:** PBS with 0.02% Proclin 300.

**Storage Recommendation:** Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

**Concentration:**

1 mg/ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.