



# 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-Pyrrolyate Protein [3C8] Standard Size Ab03261-3.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This reformatted mouse 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:** Mouse IgG2b, [Fc Silent™](#), Kappa

**Clone Number:** 3C8

**Alternative Name(s) of Target:** pyrP; Lysine N-pyrrolyation; 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 pyrrolyated protein and does not cross react with DNA. Lysine N-pyrrolyation is a post translational modification, a unique covalent modification that converts lysine residues to Nε-pyrroly-L-lysine (pyrK). It imparts electronegative properties to proteins, causing them to mimic DNA and the proteins acquire an electrical conductivity via lysine N-pyrrolyation.

**Application Notes:** This antibody is recommended for determination of pyrrolyated proteins in a sample. The binding reactivity of this antibody towards pyrrolyated-BSA protein was determined using ELISA. This antibody does not cross react with DNA in ELISA (PMID: 35031322).

**Antibody First Published in:** Lim et al. Unique B-1 cells specific for both N-pyrrolyated 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 pyrrolyated 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.