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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Pyrrolate Protein [3C8] Bulk Size Ab03261-10.3-BT

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

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, Fc Silent™, 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^{-/-}) mice. Spleen cells from male apoE^{-/-} 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^{-/-}) hyperlipidemic mice.

Product Form

Size: 1 mg Purified antibody in bulk size.

Purification: Protein A affinity purified

Supplied In:

PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. 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.