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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic)

Anti-Sulfur mustard-exposed keratin [ID2E1] Standard Size Ab04082-30.11

This is an scFv fragment with a His tag.

This is a reformatted human scFv antibody, based on the original human scFv format, created for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: scFv fragment (His), ScFv

Clone Number: ID2E1

Alternative Name(s) of Target:

UniProt Accession Number of Target Protein:

Published Application(s): ISB, ELISA

Published Species Reactivity: Human

Immunogen: The original antibody was selected from existing phage display libraries.

Specificity: This antibody is specific for keratin with an increased affinity for sulfur mustard-exposed (SM-exposed) keratin over unexposed keratin.

Application Notes: The original format of this antibody (human scFv) demonstrated distinct recognition patterns in an ELISA and immunoslotblot (ISB) assay. Recognition of keratin exposed to increased concentrations of SM exhibited a maximal signal at 250 µM SM, indicating specific recognition of alkylated amino acid sequences. However, recognition was reduced at higher exposure levels (500 µM and 1 mM) but remained higher than that of unexposed keratin (Bikker et al., 2007; PMID: 17539823).

Antibody First Published in: Bikker et al. Detection of sulfur mustard adducts in human callus by phage antibodies Chem Biol Drug Des. 2007 May;69(5):314-20. doi: 10.1111/j.1747-0285.2007.00504.x

[PMID:17539823](#)

Note on publication: The original publication explores the application of phage display in the detection of sulfur mustard adducts in human callus, demonstrating the successful use of antibody phage display for immunodiagnostics of a chemical warfare agent. Furthermore, the publication describes the generation and characterization of clone ID2E1.

Product Form

Size:

100 µg Purified antibody.

Purification: Purified by Immobilized Metal Affinity Chromatography

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.