



# 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-Sulfur mustard-exposed keratin [ID2E1] Bulk Size Ab04082-30.11-BT

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:**

500 µg Purified antibody in bulk size.

**Purification:** Purified by Immobilized Metal Affinity Chromatography

**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.