



# 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-Keratin [IAD7] Bulk Size Ab04083-10.3-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 is a reformatted human IgG1 Fc Silent Fc Silent™ antibody, based on the original human scFv format, created for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Human IgG1, Fc Silent™, Kappa

**Clone Number:** IAD7

**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 native keratin over sulfur mustard-exposed (SM-exposed) keratin.

**Application Notes:** The binding characteristics of this antibody were observed in an ELISA and immunoslotblot (ISB) assay. Increased exposure levels of keratin resulted in a decreased emission, indicating decreased stability of the antibody-keratin interaction; the formation of adducts or crosslinks disrupts effective antibody binding (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 IAD7.

## 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.