



# 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

Quellenstraße 110, A-1100 Wien

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

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

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

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

## Anti-TLR7 [rE3] Bulk Size Ab03264-7.4-BT

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

**Isotype and Format:** Rat IgG2a, [Fc Silent™](#), Kappa

**Clone Number:** rE3

**Alternative Name(s) of Target:** Toll-like receptor 7; UNQ248/PRO285

**UniProt Accession Number of Target Protein:** Q9NYK1

**Published Application(s):** IP, ELISA, FC

**Published Species Reactivity:** Monkey, Human

**Immunogen:** The original antibody was generated by immunizing wild-type Wister rat with Ba/F3 cell line expressing hTLR7-Flag-Hisx6/hUnc93B1-HAx2 mixed with a suitable adjuvant.

**Specificity:** This antibody binds human toll-like receptor 7 (TLR7). It also cross reacts with monkey TLR7. It is an endosomal receptor that plays a key role in innate and adaptive immunity. It also controls host immune response against pathogens through recognition of uridine-containing single strand RNAs (ssRNAs) of viral origin or guanosine analogs. TLR7 is considered to be a useful marker in indicating pathological condition of autoimmune diseases.

**Application Notes:** This antibody was used in combination with another anti-TLR7 antibody called TLM3 to detect human TLR7 in a sandwich ELISA. LTM3 was used as used as a capturing antibody and biotinylated rE3 antibody (rE3-bio) was used a detecting antibody. This antibody can be used for the detection of human TLR7 in serum or plasma derived from human peripheral blood. The binding ability of this antibody for Ba/F3 cell line expressing human TLR7, mouse TLR7 and monkey TLR7 was checked using flow cytometry. This antibody can successfully detect human and monkey TLR7, but not mouse TLR7 in a flow cytometry. This antibody was also used in the detection of soluble human TLR7 in a sample using immunoprecipitation (US20210199667).

**Antibody First Published in:** [PMID:](#)

**Note on publication:**

## 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.