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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-TLR7 [rE3] Standard Size Ab03264-10.3

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 Rat IgG2a format for improved compatibility with existing reagents assays and techniques.

Isotype and Format: Human IgG1, 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: 200 µg Purified antibody.

Purification: Protein A affinity purified

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.