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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 Ab03264-10.0

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, 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. TLM3 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.