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Anti-2.4[2.8]2.4-linked Kdo tetrasaccharide [S48-18] Ab03581-1.1-BT

Isotype and Format: Mouse IgG1, Kappa

Clone Number: S48-18

Alternative Name(s) of Target:

UniProt Accession Number of Target Protein:

Published Application(s): ELISA

Published Species Reactivity: Species independent

Immunogen: This antibody was generated by immunizing BALB/c mice with α Kdo(2 \rightarrow 4) α Kdo(2 \rightarrow 4) α Kdo-BSA.

Specificity: This antibody is specific for 2.4[2.8]2.4-linked Kdo tetrasaccharide. Which is a partial structure of chlamydial lipopolysaccharide (LPS).

Application Notes: An ELISA was performed on neoglycoconjugates using the mouse version of this antibody, it showed the strongest binding to α Kdo(2 \rightarrow 4) α Kdo(2 \rightarrow 4) α Kdo and α Kdo(2 \rightarrow 4) α Kdo(2 \rightarrow 4) α Kdo(2 \rightarrow 6) β GlcNAc. ELISA was also performed on LPS antigens and bacterial antigens using the mouse version of this antibody, it bound most strongly to Chl. psittaci EB and Chl. psittaci LPS (Brade et al, 2000; pmid:11521056). The scFv version of this antibody was used for an ELISA on neoglycoconjugates, the antibody bound to 2.4/2.4PS4P and HS4P quite well but bound less well to 2.8/2.4PS4P (Gerstenbruch et al, 2010; pmid:20022906).

Antibody First Published in: Brade et al. A monoclonal antibody recognizing the 3-deoxy-D-manno-oct-2-ulosonic acid (Kdo) trisaccharide α Kdo(2 \rightarrow 4) α Kdo(2 \rightarrow 4) α Kdo of *Chlamydomphila psittaci* 6BC lipopolysaccharide. J Endotoxin Res. 2000;6(5):361-8. PMID:11521056

Note on publication: A monoclonal antibody (mAb) S45-18 was generated against a synthetic neoglycoconjugate containing the trisaccharide α Kdo(2 \rightarrow 4) α Kdo(2 \rightarrow 4) α Kdo (Kdo, 3-deoxy-D-manno-oct-2-ulopyranosonic acid) which represents a structure of the lipopolysaccharide (LPS) from *Chlamydomphila psittaci* 6BC.

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.