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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-2.4[2.8]2.4-linked Kdo tetrasaccharide [S48-18] Ab03581-23.0-BT

This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Rabbit IgG, 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→4) α Kdo(2→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→4) α Kdo(2→4) α Kdo and α Kdo(2→4) α Kdo(2→4) α Kdo(2→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→4) α Kdo(2→4) α Kdo of *Chlamydomytila 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→4) α Kdo(2→4) α Kdo (Kdo, 3-deoxy-D-manno-oct-2-ulopyranosonic acid) which represents a structure of the lipopolysaccharide (LPS) from *Chlamydomytila 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.