

DATA SHEET

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Monoclonal mouse anti-LPS *Francisella tularensis***Catalogue # 3FT6**

<u>Clone:</u>	T14, FB11 Clone T14 has been derived from hybridization of Sp2/0 myeloma cells with spleen cells of a Balb/c mice immunised with pooled water-soluble antigens from disintegrated microbial mass of <i>Fr. tularensis</i> vaccine strain. Clone FB11 has been derived from hybridization of Sp2/0 myeloma cells with spleen cells of a Balb/c mice immunised with <i>Fr. Tularensis</i>
<u>Catalogue No:</u>	3 FT6
<u>Reactivity:</u>	MoAb T14 react with LPS of <i>Fr. tularensis</i> . There is no cross-reactivity with <i>Y.pestis</i> , <i>Y. pseudotuberculosis</i> , <i>Y. enterocolitica</i> , <i>V. cholera</i> , <i>E. Coli</i> , <i>S.typhimurium</i> , <i>Fr. novicida</i> , <i>Br. melitensis</i> , <i>Br. abortus</i> , <i>Br. suis</i> , <i>Br.ovis</i> , <i>Br. neotomae</i> . MoAb FB11 recognise LPS of virulent and vaccine strains of <i>Fr. tularensis</i> . There is no cross-reactivity with <i>Fr. Novicida</i> , <i>Br. abortus</i> , <i>Br. suis</i> , <i>Br. melitensis</i> , <i>Br. ovis</i> , <i>Y. pestis</i> , <i>Y. enterocolitica</i> , <i>Y. pseudotuberculosis</i> , <i>E.Coli</i> , <i>V. cholerae</i> . The binding site for MoAbFB11 is located on the O-antigen polysaccharidechain which consists of tetrasaccharide fragments and has the following structure: -4)α-D-GalpNAcAN-(1-4)-α-D-GalpNAcAN-(1-3)-β-D-QuipNac-(1-2)-β-Quip4NFm-(1.Tetrasaccharide D-GalpNAcAN-(1-4)-α-D-GalpNAcAN-(1-3)-β-D-QuipNac-(1-2)-β-D-Quip4NFm and trisaccharide D-GalpNAcAN-(1-3)-β-D-QuipNac-(1-2)-β-D-Quip4NFm compete in ELISA. for binding MoAb FB11 with LPS of <i>Fr. tularensis</i> .
<u>Mouse isotype:</u>	IgG3 for clone T14, IgG2a for clone FB11
<u>Application:</u>	Antibodies T14 and FB11 can be used for detection of <i>Fr. Tularensis</i> in ELISA and immunofluorescence technique.
<u>Purification:</u>	Purified by chromatography on protein G Sepharose. Purity is tested by electrophoresis.
<u>Presentation:</u>	Each vial contains antibodies in PBS, pH 7,4, containing 0,1% of sodium azide as preservative. Store at +4C.
<u>Material safety note:</u>	This product is sold as an antibody preparation for research purpose only. Standard Laboratory Practices should be followed when handling this material. Contains sodium azide (0,1%) as preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling this product.