



Anti-Kappa Light Chain monoclonal antibody, clone OX-12 [FITC] (CABT-49940MR)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Mouse anti Rat Kappa Light Chain antibody, clone OX-12 recognizes rat kappa chains, showing a marked preference for binding to the Igka allotype which is present in AGUS, AO, AUG, BN, LEW, LOU, PVG and WAG strains but not in ACI, DA, F344, MSU or SHR rat strains. This product is routinely tested in flow cytometry on rat splenic lymphocytes. Flow Cytometry Use 10ul of the suggested working dilution to label 106 cells in 100ul.
Specificity	KAPPA LIGHT CHAIN
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Rat
Clone	OX-12
Conjugate	FITC
Applications	FC
Format	Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid
Size	100 tests
Preservative	0.09% Sodium Azide
Storage	in frost free freezers is not recommended. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	LOC500180 similar to IG KAPPA CHAIN V-V REGION K2 PRECURSOR [Rattus norvegicus (Norway rat)]
Official Symbol	LOC500180
Synonyms	LOC500180; similar to IG KAPPA CHAIN V-V REGION K2 PRECURSOR; immunoglobulin kappa chain; KAPPA LIGHT CHAIN;
Entrez Gene ID	500180
UniProt ID	P01835
Chromosome Location	3
Pathway	Adaptive Immune System; Antigen activates B Cell Receptor (BCR) leading to generation of second messengers; Binding and Uptake of Ligands by Scavenger Receptors; Classical antibody-mediated complement activation; Complement cascade; Creation of C4 and C2 activators; FCERI mediated Ca+2 mobilization; FCERI mediated MAPK activation; FCERI mediated NF-kB activation;