



Anti-Zika chimeric monoclonal antibody, clone KB20F20 (CABT-L2413)

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

PRODUCT INFORMATION

Product Overview

It is a Mouse/Human chimeric monoclonal antibody produced in transgenic mice by replacing the mouse sequence of the heavy chain constant region (IgM, IgG or IgA loci) by the corresponding human sequence. After immunization with the antigen of interest, generated antibody clones are cultivated by standard hybridoma techniques. They consist of the human constant region of the heavy chain, mouse variable region of the heavy chain and mouse light chain. The human constant region of the heavy chain can be directly recognized by the anti-human conjugate, which is used in numerous in vitro diagnostic assays.

Specificity

This antibody recognizes Zika virus

Target

Zika virus

Isotype

IgM

Source/Host

Humainized

Species Reactivity

Virus

Clone

KB20F20

Purification

Unpurified

Conjugate

Unconjugated

Applications

ELISA

Preparation

The antibody has been generated in transgenic mice whose sequence for the IgM heavy chain constant region is replaced by the corresponding human sequence. After immunization of mice, a hybridoma cell line has been established. The antibody is produced industrially by standard

hybridoma cell line techniques under sterile conditions. The antibody is presented in cell culture supernatant.

Format	Liquid
Size	1 ml
Buffer	This cell culture supernatant is supplied in Iscove's Modified Dulbecco's Medium (IMDM), supplemented with 5% FBS, 1% L-Glutamine, 1% Penicillin/Streptomycin, 50 μ M 2-Mercaptoethanol.
Preservative	15mM Sodium Azide
Storage	2–8 °C. Do not use if turbid.
Ship	Wet ice

BACKGROUND

Introduction	Zika virus (ZIKV) is a member of the Flaviviridae virus family and the flavivirus genus. In humans, it causes a disease known as Zika fever. It is related to dengue, yellow fever, West Nile and Japanese encephalitis, viruses that are also members of the virus family Flaviviridae.
Keywords	Zika virus;ZIKV;Flaviviridae;Flavivirus

GENE INFORMATION

Synonyms	Zika virus; ZIKV; Flaviviridae; Flavivirus
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