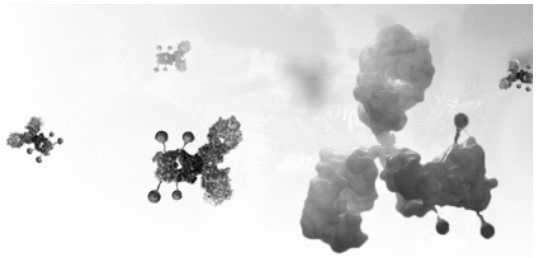

Anti-Mumps chimeric monoclonal antibody, clone G20C0B6 (CABT-L2398)

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 Mumps
Target	Mumps
Isotype	IgM
Source/Host	Mouse
Species Reactivity	Virus
Clone	G20C0B6
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

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	hybridoma cell line techniques under sterile conditions. The antibody is presented in cell culture supernatant.
Format	Liquid
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 µM 2-Mercaptoethanol.
Preservative	0.1% Sodium Azide
Storage	2–8 °C. Do not use if turbid.
Ship	Wet ice

BACKGROUND

Introduction	Mumps is one of the commonly acquired viral diseases of childhood and is the most common cause of aseptic meningitis. However, its incidence in developed countries has declined dramatically since the advent of vaccination. A member of the paramyxovirus family, it is closely related to parainfluenza viruses. Its genome is ss RNA of 16 - 18 kbp, and it is an enveloped virus of helical symmetry. The single RNA molecule, in a helical nucleocapsid, is in association with the nucleoprotein (NP). M protein forms the structure which underlies the viral envelope. The HN (haemagglutination and neuraminidase protein) and the F (fusion) protein form the spikes present on the lipid bilayer envelope. Only one serotype of the virus exists. There is significant antigenic cross-reaction with other members of the paramyxovirus genus.
Keywords	Mumps;MuV;Mumps virus

GENE INFORMATION

Synonyms	Mumps; MuV; Mumps virus

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