MONOSAN

Mouse anti-CD152, clone BNI3 (Monoclonal)

Clone no. BNI3

MONOSAN

Product name	Mouse anti-CD152, clone BNI3 (Monoclonal)
Host	Mouse
Applications	ELISA,IF,FC,IHC-fr,IP
Species reactivity	human
Conjugate	Purified
Immunogen	Human CTLA-4/human IgG heavy chain fusion protein.
Isotype	IgG2a
Clonality	Monoclonal
Clone number	BNI3
Size	0.2 mg
Concentration	1.0 mg/ml
Format	-
Storage buffer	PBS
Storage until expiry date	2-8°C

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

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Additional info

Mouse anti Human CD152 antibody, clone BNI3 recognizes human CD152, also known as CTLA-4 (cytotoxic T-lymphocyte-associated antigen 4), an inhibitory receptor and negative regulator of T-cell responses. CD152 is a single pass type 1 transmembrane protein belonging to the immunoglobulin superfamily containing a single Ig-v-like domain in the extracellular region.CD152 along with CD28 binds to the co-stimulatory molecules CD80 and CD86 (Azuma et al. 1993). Mouse anti human CD152 antibody, clone BNI3 is able to block ligand binding on the Raji B-cell line (Steiner et al. 2001) and blocks binding of an alternative clone, BNI8 to CTLA-4/Ig in ELISA. Mouse anti Human CD152 antibody, clone BNI3 binds to the same epitope as classified anti CTLA-4 clones 11D4 and 10A8 (Wang et al. In: Leukocyte typing VI 1997 Garland Publishing Inc. pp97-98, Bull World Health Organ. 1997). The cytoplasmic domain of CD152 contains a critical tyrosine at residue 201 phosphorylated by Janus Kinase 2 which subsequently controls surface expression through regulation of CD152 interaction with AP-2 (Shiratori et al. 1997, Chikuma et al. 2000). CD152 is expressed primarily as an intracellular antigen with transport to the cell surface under tight regulation of several molecules including Trim, PLD and TIRC7, CD152 also demonstrates rapid internalization once expressed at the cell surfac

References

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