

Data Sheet

DESCRIPTION :	Monoclonal antibody to CD4
REPOSITORY REFERENCE :	ARP337
ORIGINATORS DESIGNATION :	JAH 7.3F11
SPECIFICITY :	High affinity antibody (<ARP336) to V1 domain of human CD4
ISOTYPE :	IgG _{2a} K
HOST :	BALB/C mouse
IMMUNOGEN :	P815T4 (transfected mouse cells expressing human CD4)
MYELOMA :	Ag8
SPECIAL CHARACTERISTICS :	High functional affinity equivalent to a Leu3a. Blocks gp120/CD4 binding and inhibits syncytia formation. Cross competes with ARP386, 351, 357, a Leu3a, OKT4D or MT151. Similar to OKT4A. 1ml culture supernatant, 100ul ascitic fluid.
PRESENTATION :	1ml culture supernatant, 100ul ascitic fluid

SOURCE : Dr J Habeshaw

REFERENCE : Wilks D et al (1990). Immunology (in press)

ACKNOWLEDGEMENTS : Publications should acknowledge the donor of the reagent and the Programme EVA Centre for AIDS Reagents. Suggested wording can be found on our website at <http://www.nibsc.ac.uk/spotlight/aidsreagent/index.html> in the “Acknowledgements” section. Please also ensure that you send us a copy of any papers resulting from work using reagents acquired through CFAR (this can be electronically or as a paper copy)

ARP336 & 337 – Monoclonals to CD4

These are sub-clones of the monoclonals JAH 7.2G4, and JAH 7.3F11. These antibodies both react with sCD4 CD4 immuno-adhesin, and CD4 on cells. They block gp120/CD4 binding and inhibit syncytia in the syncytial inhibition assay.

Both antibodies are of IgG 2a murine isotype. Epitope mapping identifies V₁ domain of CD4 near the OKT4a site. They are of high functional affinity (equivalent to a Leu 3a). Detailed mapping studies are not yet available, and at present both clonal products appear similar.

These sub-clones can be grown in Iscoves modified DMEM, with 10% FCS, and do not require feeder cells.