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Product Datasheet

Human IL-2 BYT-ORB3002347

Article Name	Human IL-2
Biozol Catalog Number	BYT-ORB3002347
Supplier Catalog Number	orb3002347
Alternative Catalog Number	BYT-ORB3002347-10,BYT-ORB3002347-50,BYT-ORB3002347-500,BYT-ORB3002347-1
Manufacturer	Biorbyt
Category	Proteine/Peptide
Product Description	Recombinant Human Interleukin-2 is produced by our E.coli expression system and the target gene encoding Pro22-Thr153(Cys145Ser) is expressed....
Molecular Weight	Predicted: 15.5 KDa. Observed: 14 KDa, reducing conditions
UniProt	P60568
Purity	SDS-PAGE: Greater than 95% as determined by reducing SDS-PAGE.
Form	Lyophilized from a 0.2 µm filtered solution of 10mM Acetata-Na, 5% Trehaiose, pH 4.5.

Application Notes

Biological Activity: BLI: Loaded Human IL-2RA-His(Catorb2994464) on HIS1K Biosensor, can bind Human IL-2(Catorb3002347) with an affinity constant of 31 nM as determined in BLI assay. Loaded Human IL-2RA-Fc(Catorb2994463) on Protein A Biosensor, can bind Human IL-2(Catorb3002347) with an affinity constant of 13.2 nM as determined in BLI assay. Loaded Human IL-2RB-His(Catorb2994462) on HIS1K Biosensor, can bind Human IL-2(Catorb3002347) with an affinity constant of 0.19 uM as determined in BLI assay. Loaded Human IL-2RB-Fc(Catorb2994461) on Protein A Biosensor, can bind Human IL-2(Catorb3002347) with an affinity constant of 0.27 uM as determined in BLI assay. Loaded Mouse IL-2RA-His(Catorb2994413) on HIS1K Biosensor, can bind Human IL-2(Catorb3002347) with an affinity constant of 33 nM as determined in BLI assay. Loaded Biotinylated Human IL-2RB-His-Avi(Catorb2993868) on HIS1K Biosensor, can bind Human IL-2(Catorb3002347) with an affinity constant of 0.34 uM as determined in BLI assay. . Cell Based Assay: Measured in a cell proliferation assay using CTLL-2 mouse cytotoxic T cells. The ED50 for this effect is 90-270 pg/ml