

Human soluble CD5 ELISA Kit

Catalog No: #EK5538



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Description

Product Name	Human soluble CD5 ELISA Kit
Specificity	Human
Crossing Reactivity	There is no detectable cross-reactivity with other relevant proteins.
Immunogen Type	NSO,R25-N371
Other Names	T-cell surface glycoprotein CD5; Lymphocyte antigen T1,Leu-1; CD5; CD5; LEU1;
Accession No.	P06127
Uniprot	P06127
GeneID	921;
Cell Localization	Cell membrane; Single-pass type I membraneprotein.

Application Details

sensitivity:10pg mlDetect Range:93.7pg ml-6000pg ml  
sample\_type:cell culture supernates cell lysates tissue homogenates serum and plasma (heparin EDTA).  
capture\_antibody:monoclonal antibody from mousedetection\_antibody:polyclonal antibody from goat  
gene\_name:CD5protein\_name:T-cell surface glycoprotein CD5  
gene\_full\_name:T-cell surface glycoprotein CD5  
tissue\_specificity:sequence\_similarities:tmb\_incubation:20-25min  
research\_category:immunology|adaptive immunity|b cells|cd|t cells|stem cells|hematopoietic progenitors|lymphoid|b lymphocytic lineage|t lymphocytic lineage

Product Description

Sandwich High Sensitivity ELISA kit for Quantitative Detection of Human soluble CD5

Background

protein\_function: May act as a receptor in regulating T-cellproliferation.CD5, also known as T1 or LEU1, is a cluster of differentiation found on a subset of IgM-secreting B cells called B-1 cells, and also on T cells. It is mapped to 11q12.2. Although CD5 can be found on both T cells and B cells, T cells express higher levels of CD5 than B cells. CD5 was used as a T-cell marker until monoclonal antibodies against CD3 were developed. CD5 is upregulated on T cells upon strong activation. In the thymus, there is a correlation with CD5 expression and strength of the interaction of the T cell towards self-peptides. Nevertheless, CD5 serves to mitigate activating signals from the BCR so that the B-1 cells can only be activated by very strong stimuli(such as bacterial proteins) and not by normal tissue proteins.

Note: This product is for in vitro research use only