

CD2 单克隆抗体

产品货号： mlR33075

英文名称： CD2

中文名称： CD2 单克隆抗体

别 名： T-cell surface antigen CD2; CD 2; CD2 antigen; CD2 molecule; LFA2; LFA3 receptor; Lymphocyte function antigen 2; p50; Rosette receptor; Sheep erythrocyte receptor; Sheep red blood cell receptor; SRBC; T cell surface antigen CD2; T cell surface antigen T11/Leu 5; T11; CD2_HUMAN.

研究领域： 免疫学 细胞表面分子 t-淋巴细胞

抗体来源： Mouse

克隆类型： Monoclonal

克 隆 号： 5H3

交叉反应： Human, Mouse, Rat,



产品应用： IHC-P=1:400-800 IHC-F=1:400-800 Flow-Cyt=1ug/test IF=1:100-500 （石蜡切片需做抗原修复）

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

分子量： 37kDa

细胞定位： 细胞膜

性状： Lyophilized or Liquid

浓度： 1mg/ml

免疫原： KLH conjugated synthetic peptide derived from human CD2:

亚型： IgG

纯化方法： affinity purified by Protein G

储存液： 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件： Store at -20 ° C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20° C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ° C.

PubMed : PubMed

产品介绍 : CD2 is a surface antigen of the human T lymphocyte lineage that is expressed on all peripheral blood T cells. It is one of the earliest T cell markers, being present on more than 95% of thymocytes; it is also found on some natural killer cells but not on B lymphocytes.

CD2 interacts with lymphocyte function associated antigen (LFA3) and CD48/BCM1 to mediate adhesion between T cells and other cell types. CD2 is implicated in the triggering of T cells, the cytoplasmic domain is implicated in the signaling function. It is useful for the identification of lymphomas and leukaemias of T cell origin.

Function:

CD2 interacts with lymphocyte function-associated antigen (LFA-3) and CD48/BCM1 to mediate adhesion between T-cells and other cell types. CD2 is implicated in the triggering of T-cells, the cytoplasmic domain is implicated in the signaling function.

Subunit:

Interacts with CD2AP. Interacts with PSTPIP1.

Subcellular Location:

Membrane; Single-pass type I membrane protein.

Similarity:

Contains 1 Ig-like C2-type (immunoglobulin-like) domain.

Contains 1 Ig-like V-type (immunoglobulin-like) domain.

SWISS:

P06729

Gene ID:

914

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

CD2 分子又称 T11、绵羊红细胞受体 (ER)、淋巴细胞功能相关抗原 2 (LFA-2) 和 Leu5, 是人 T 淋巴细胞表面的单链糖蛋白.CD2 分子是分布于胸腺细胞及所有成熟 T 淋巴细胞和大部分自然杀伤细胞表面的特征性分化抗原。CD2 具有调节 T 淋巴细胞分化、成熟、激活和凋亡等功能, CD2 与 LFA-3 之间的粘附功能对于 T 淋巴细胞 TCR 识别外来抗原与 APC 细胞表面 MHC 抗原复合物、肿瘤抗原、病毒感染靶细胞以及同种异体抗原均有重要的辅助作用。

最近研究表明, CD48 和 CD59 也是 CD2 的配体, 参与 T 细胞的粘附和细胞间的相互作用,此外, CD2 可以与其它膜分子如 CD44、CD45 的功能有关。CD2 具有对 T 细胞的旁路激活途径作用。

产品图片

