

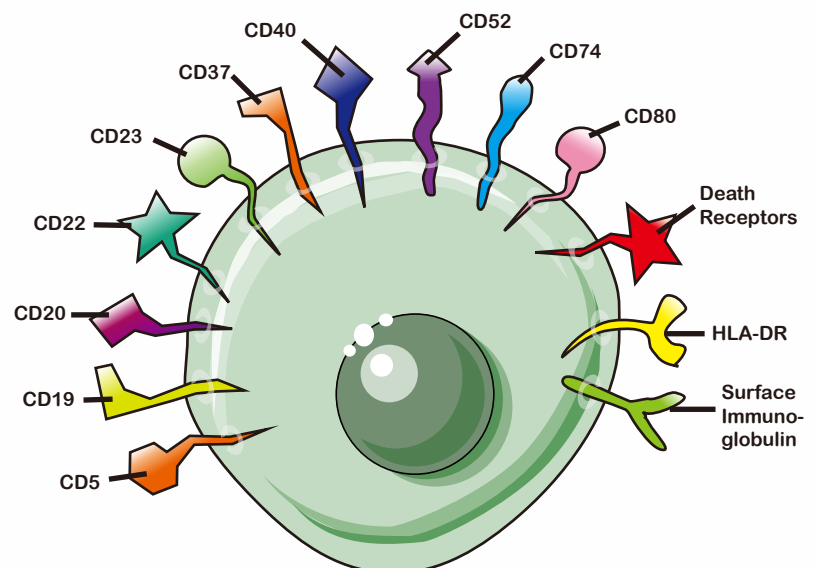
# CD Antigens



The clusters of differentiation (CD antigens) are a diverse group of surface glycoproteins with a multitude of functions, providing the interface between a cell and the external environment that includes other cells. Serving as receptors and ligands, they regulate cell signaling and adaptive immunity and are widely used in immunology, oncology, and stem cell biology research. Therefore, the roles of CD antigens are critical in many research fields, including immunotherapy, tumor-associated physiology, and new drug targets.

## Clinical Application of CD antigens

- ◆ Analysis of leukaemia and lymphomas
- ◆ Detection of minimal residual disease
- ◆ Stem cell enumeration
- ◆ Solid organ transplantation
- ◆ Immunodeficiency disease
- ◆ HIV infection
- ◆ Paroxysmal nocturnal haemoglobinuria
- ◆ Immunotherapy



CD antigens are normally cell-cell or cell-matrix adhesion molecules, cytokine receptors, ion pores, or nutrient transporters; those are routinely detected with anti-leukocyte monoclonal antibodies. Using different combinations of mAbs, it is possible to chart the cell surface immunophenotypes of different leukocyte subpopulations, including the functionally distinct mature cell subpopulations of B cells, helper T cells (TH), cytotoxic T cells (TC), and natural killer (NK) cells.

Creative BioMart offers a number of cell surface proteins to satisfy the need in therapeutic antibodies development, one of the most rapidly growing areas of pharmaceuticals.

CD1A	CD2	CD3D	CD3E	CD4	CD5	CD8A	CD9
CD10	CD11A	CD11B	CD11C	CD13	CD14	CD15	CD16A
CD16B	CD19	CD22	CD24	CD25	CD27	CD28	CD29
CD31	CD32	CD33	CD34	CD38	CD40	CD41A	CD44
CD45	CD45RO	CD46	CD47	CD48	CD51/CD61	CD54	CD56
CD59	CD62E	CD62L	CD62P	CD64	CD69	CD73	CD80
CD83	CD85J	CD86	CD90	CD95	CD96	CD99	CD105
CD106	CD117	CD123	CD127	CD138	CD144	CD152	CD154
CD158Z	CD161	CD178	CD180	CD184	CD193	CD197	CD200
CD200R1	CD223	CD226	CD243	CD253	CD272	CD274	CD276
CD278	CD279	CD281	CD282	CD283	CD284	CD288	CD289
CD300E	CD319	CD338	CD357				

To learn more, contact us today! Enjoy the best combination of product quality and value with recombinant CD antigens from Creative BioMart.

