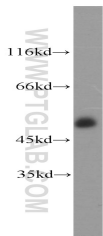
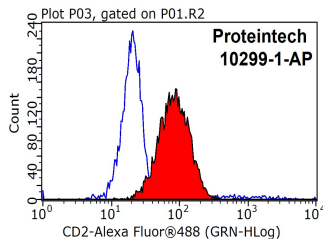


CD2 Polyclonal Antibody

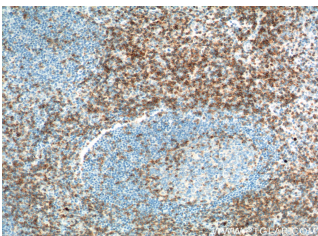
Catalog number: 10299-1-AP
Size: 20 µg/150 µl
Source: Rabbit
Isotype: IgG
Synonyms:
CD2; CD2, CD2 molecule,
Erythrocyte receptor, FLJ46032,
LFA 2, LFA 3 receptor, Rosette
receptor, SRBC, T cell surface
antigen CD2, T11



Jurkat cells were subjected to SDS PAGE followed by western blot with 10299-1-AP (CD2 antibody) at dilution of 1:1000



1X10⁶ Jurkat cells were stained with 0.2 µg CD2 antibody (10299-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.



Immunohistochemistry of paraffin-embedded human tonsillitis tissue slide using 10299-1-AP (CD2 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieved with Tris-EDTA buffer, pH9.0

Background

CD2 is a cell surface glycoprotein present on a majority of thymocytes, all mature T cells and subset of NK cells but not on B lymphocytes. It is a pan T-cell marker. CD2 interacts with lymphocyte function-associated antigen (LFA-3/CD58) 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.

Applications

| | |
|---------------------------------|--|
| Tested applications: | ELISA, WB, FC, IHC |
| Species specificity: | Human; other species not tested. |
| Calculated CD2 MW: | 351aa, 39 kDa |
| Observed CD2 MW: | 45-50 kDa |
| Positive WB detected in | Jurkat cells |
| Positive IHC detected in | Human tonsillitis tissue |
| Positive FC detected in | Jurkat cells |
| Recommended dilution: | WB: 1:500-1:5000 IHC: 1:20-1:200 FC: N/A |

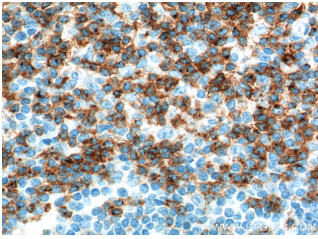
Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

| | |
|----------------------------------|--------------|
| Immunogen: | Ag0423 |
| GenBank accession number: | BC033583 |
| Gene ID (NCBI): | 914 |
| Full name: | CD2 molecule |

Product information

| | |
|-----------------------------|---|
| Purification method: | Antigen affinity purification |
| Storage: | PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C. |



Immunohistochemistry of paraffin-embedded human tonsillitis tissue slide using 10299-1-AP (CD2 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieved with Tris-EDTA buffer, pH9.0