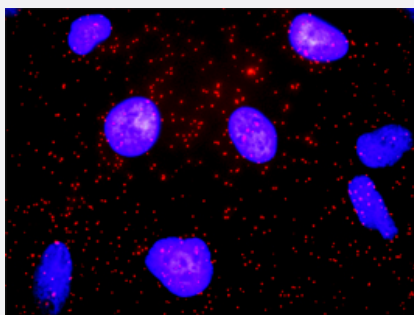


# CD19 & CD82 Protein Protein Interaction Antibody Pair

Catalog # DI0083

Size 1 Set

## Applications



Representative image of Proximity Ligation Assay of protein-protein interactions between CD19 and CD82. HeLa cells were stained with anti-CD19 rabbit purified polyclonal antibody 1:1200 and anti-CD82 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex. The images were analyzed using an optimized freeware (BlobFinder) download from The Centre for Image Analysis at Uppsala University.

## Specification

### Product Description

This protein protein interaction antibody pair set comes with two antibodies to detect the protein-protein interaction, one against the CD19 protein, and the other against the CD82 protein for use in [in situ Proximity Ligation Assay](#). [See Publication Reference below](#).

### Reactivity

Human

### Quality Control Testing

Protein protein interaction immunofluorescence result.  
Representative image of Proximity Ligation Assay of protein-protein interactions between CD19 and CD82. HeLa cells were stained with anti-CD19 rabbit purified polyclonal antibody 1:1200 and anti-CD82 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex. The images were analyzed using an optimized freeware (BlobFinder) download from The Centre for Image Analysis at Uppsala University.

### Supplied Product

Antibody pair set content:  
1. CD19 rabbit purified polyclonal antibody (100 ug)  
2. CD82 mouse monoclonal antibody (40 ug)  
\*Reagents are sufficient for at least 30-50 assays using recommended protocols.

### Storage Instruction

Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze-thaw cycle. Reagents should be returned to -20°C storage immediately after use.

## Applications

- *In situ* Proximity Ligation Assay (Cell)

## Gene Info — CD19

|                    |  |
|--------------------|--|
| Entrez GeneID      | <a href="#">930</a>  |
| Gene Name          | CD19   |
| Gene Alias         | B4, MGC12802   |
| Gene Description   | CD19 molecule  |
| Omim ID            | <a href="#">107265</a>   |
| Gene Ontology      | <a href="#">Hyperlink</a>  |
| Gene Summary       | Lymphocytes proliferate and differentiate in response to various concentrations of different antigens. The ability of the B cell to respond in a specific, yet sensitive manner to the various antigens is achieved with the use of low-affinity antigen receptors. This gene encodes a cell surface molecule which assembles with the antigen receptor of B lymphocytes in order to decrease the threshold for antigen receptor-dependent stimulation. [provided by RefSeq] |
| Other Designations | B-lymphocyte antigen CD19 CD19 antigen   |

## Gene Info — CD82

|                  |   |
|------------------|---|
| Entrez GeneID    | <a href="#">3732</a>  |
| Gene Name        | CD82  |
| Gene Alias       | 4F9, C33, GR15, IA4, KAI1, R2, SAR2, ST6, TSPAN27   |
| Gene Description | CD82 molecule   |
| Omim ID          | <a href="#">176807</a> <a href="#">600623</a>   |
| Gene Ontology    | <a href="#">Hyperlink</a>   |
| Gene Summary     | This metastasis suppressor gene product is a membrane glycoprotein that is a member of the transmembrane 4 superfamily. Expression of this gene has been shown to be downregulated in tumor progression of human cancers and can be activated by p53 through a consensus binding sequence in the promoter. Its expression and that of p53 are strongly correlated, and the loss of expression of these two proteins is associated with poor survival for prostate cancer patients. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq] |

**Other Designations**

C33 antigen|CD82 antigen|R2 leukocyte antigen|inducible membrane protein R2|kangai 1 (suppression of tumorigenicity 6, prostate; CD82 antigen (R2 leukocyte antigen, antigen detected by monoclonal and antibody IA4))|suppression of tumorigenicity 6|suppress

**Pathway**

- [B cell receptor signaling pathway](#)
- [Hematopoietic cell lineage](#)
- [p53 signaling pathway](#)
- [Primary immunodeficiency](#)

**Disease**

- [Arthritis](#)
- [Crohn Disease](#)
- [Genetic Predisposition to Disease](#)
- [Lupus Erythematosus](#)
- [Pemphigus](#)
- [Scleroderma](#)