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ICAM1(phospho Y512) & ICAM1 Protein Phosphorylation Antibody Pair

Catalog # : DP0195

規格 : [1 Set]

List All

Specification

Product Description: This protein phosphorylation antibody pair set comes with two antibodies, one against the ICAM1 protein, and the other against the specific Y512 phosphorylated site of ICAM1 for use in *in situ* Proximity Ligation Assay. See Publication Reference below.

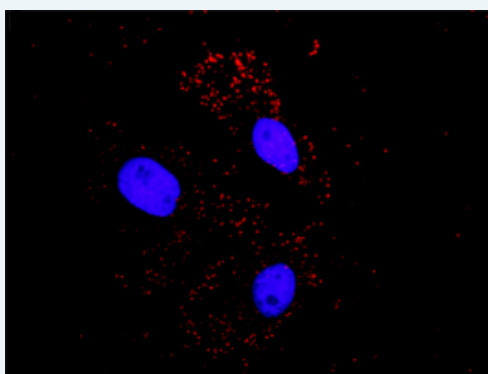
Application Image

In situ Proximity Ligation Assay (Cell)



Reactivity: Human

Quality Control Testing: Dual recognition immunofluorescence result.



Representative image of Proximity Ligation Assay of protein phosphorylation. HeLa cells were stained with dual recognition antibody pair set, rabbit polyclonal antibody 1:1200 and mouse monoclonal antibody 1:50. Each red dot represents one single phosphorylated protein. 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. Phospho-ICAM1 Y512 rabbit polyclonal antibody (20 ul)
 In PBS (without Mg²⁺ and Ca²⁺), 150 mM NaCl, pH 7.4 (0.02% sodium azide, 50% glycerol)
 2. ICAM1 mouse monoclonal antibody (40 ug)
 In 1x PBS, pH 7.2
 *Reagents are sufficient for at least 30-50 assays using recommended protocols.

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

Publication Reference

1. In situ detection of phosphorylated platelet-derived growth factor receptor beta using a generalized proximity ligation method.
Jarvius M, Paulsson J, Weibrecht I, Leuchowius KJ, Andersson AC, Wahlby C, Gullberg M, Botling J, Sjoblom T, Markova B, Ostman A, Landegren U, Soderberg O.
Mol Cell Proteomics. 2007 Sep;6(9):1500-9. Epub 2007 Jun 12.
2. Direct observation of individual endogenous protein complexes in situ by proximity ligation.
Soderberg O, Gullberg M, Jarvius M, Ridderstrale K, Leuchowius KJ, Jarvius J, Wester K, Hydbring P, Bahram F, Larsson LG, and Landegren U.
Nat Methods. 2006 Dec;3(12):995-1000. Epub 2006 Oct 29.
3. Cytokine detection by antibody-based proximity ligation.
Gullberg M, Gustafsdottir SM, Schallmeiner E, Jarvius J, Bjarnegard M, Betsholtz C, Landegren U, and Fredriksson S.
Proc Natl Acad Sci U S A. 2004 Jun 1;101(22):8420-4. Epub 2004 May 21.
4. Protein detection using proximity-dependent DNA ligation assays.
Fredriksson S, Gullberg M, Jarvius J, Olsson C, Pietras K, Gustafsdottir SM, Ostman A, and Landegren U.
Nat Biotechnol. 2002 May;20(5):473-7.
5. Highly specific detection of phosphorylated proteins by Duolink
Mats Gullberg and Ann-Catrin Andersson
Nature Methods 6. 2009

Applications

In situ Proximity Ligation Assay (Cell)

Gene Information

Entrez GeneID: [3383](#)

Gene Name: ICAM1

Gene Alias: BB2,CD54,P3.58

Gene intercellular adhesion molecule 1

Description:

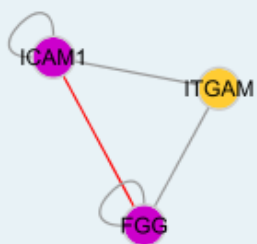
Omim ID: [147840](#), [248310](#), [611162](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: This gene encodes a cell surface glycoprotein which is typically expressed on endothelial cells and cells of the immune system. It binds to integrins of type CD11a / CD18, or CD11b / CD18 and is also exploited by Rhinovirus as a receptor. [provided by RefSeq]

Other Designations: cell surface glycoprotein P3.58,human rhinovirus receptor,intercellular adhesion molecule 1 (CD54), human rhinovirus receptor

Interactome



Gene Pathway

[Cell adhesion molecules \(CAMs\)](#) [Leukocyte transendothelial migration](#)
[Natural killer cell mediated cytotoxicity](#)

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