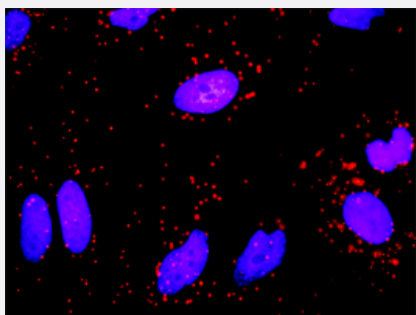


ICAM1 & FGG Protein Protein Interaction Antibody Pair

Catalog # DI0202 Size 1 Set

Applications



Representative image of Proximity Ligation Assay of protein-protein interactions between ICAM1 and FGG. HeLa cells were stained with anti-ICAM1 rabbit purified polyclonal antibody 1:1200 and anti-FGG 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 ICAM1 protein, and the other against the FGG 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 ICAM1 and FGG. HeLa cells were stained with anti-ICAM1 rabbit purified polyclonal antibody 1:1200 and anti-FGG 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. ICAM1 rabbit purified polyclonal antibody (100 ug)
2. FGG 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 — FGG

Entrez GeneID [2266](#)

Gene Name FGG

Gene Alias -

Gene Description fibrinogen gamma chain

Omim ID [134850](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is the gamma component of fibrinogen, a blood-borne glycoprotein comprised of three pairs of nonidentical polypeptide chains. Following vascular injury, fibrinogen is cleaved by thrombin to form fibrin which is the most abundant component of blood clots. In addition, various cleavage products of fibrinogen and fibrin regulate cell adhesion and spreading, display vasoconstrictor and chemotactic activities, and are mitogens for several cell types. Mutations in this gene lead to several disorders, including dysfibrinogenemia, hypofibrinogenemia and thrombophilia. Alternative splicing results in two transcript variants encoding different isoforms. [provided by RefSeq]

Other Designations fibrinogen, gamma chain|fibrinogen, gamma polypeptide

Gene Info — ICAM1

Entrez GeneID [3383](#)

Gene Name ICAM1

Gene Alias BB2, CD54, P3.58

Gene Description intercellular adhesion molecule 1

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

Pathway

- [Cell adhesion molecules \(CAMs\)](#)
- [Complement and coagulation cascades](#)
- [Leukocyte transendothelial migration](#)
- [Natural killer cell mediated cytotoxicity](#)

Disease

- [Acute Disease](#)
- [Albuminuria](#)
- [Alzheimer disease](#)
- [Alzheimer disease](#)
- [Amyotrophic lateral sclerosis](#)
- [Anemia](#)
- [Angina Pectoris](#)
- [Aortic Diseases](#)
- [Arterial Occlusive Diseases](#)
- [Arthritis](#)
- [Asthma](#)
- [Astrocytoma](#)
- [Atherosclerosis](#)
- [Atherosclerosis](#)
- [Autoimmune Diseases](#)
- [Behcet Syndrome](#)

- [Biliary Atresia](#)
- [Birth Weight](#)
- [Blood Coagulation Disorders](#)
- [Brain Ischemia](#)
- [Brain Ischemia](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bronchiolitis](#)
- [Calcinosis](#)
- [Calcinosis](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Carotid Stenosis](#)
- [Celiac Disease](#)
- [Cerebral Hemorrhage](#)
- [Cerebrovascular Accident](#)
- [Cerebrovascular Disorders](#)
- [Chlamydia Infections](#)
- [Cholangitis](#)
- [Chronic Disease](#)
- [Cicatrix](#)
- [Colitis](#)
- [Colorectal Neoplasms](#)
- [Common Cold](#)

- [Community-Acquired Infections](#)
- [Constriction](#)
- [Coronary Artery Disease](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Coronary Disease](#)
- [Coronary Restenosis](#)
- [Crohn Disease](#)
- [Dementia](#)
- [Diabetes Complications](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Diabetic Retinopathy](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Edema](#)
- [Edema](#)
- [Encephalitis](#)
- [Endometriosis](#)
- [Erythema Nodosum](#)
- [Esophageal Neoplasms](#)
- [Fatigue Syndrome](#)
- [Fibrosis](#)
- [Gastrointestinal Hemorrhage](#)

- [Gastroschisis](#)
- [Genetic Diseases](#)
- [Genetic Predisposition to Disease](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Glomerulonephritis](#)
- [Graves Disease](#)
- [Graves Ophthalmopathy](#)
- [Head and Neck Neoplasms](#)
- [Hematologic Diseases](#)
- [Hemophilia A](#)
- [Hepatitis B](#)
- [Hepatitis C](#)
- [HIV Infections](#)
- [Hodgkin Disease](#)
- [Hypercholesterolemia](#)
- [Hyperlipidemias](#)
- [Hypersensitivity](#)
- [Hypertension](#)
- [Hypertension](#)
- [Infant](#)
- [Infection](#)
- [Inflammation](#)
- [Inflammation](#)
- [Inflammatory Bowel Diseases](#)

- [Insulin Resistance](#)
- [Ischemia](#)
- [Ischemia](#)
- [Ischemic Attack](#)
- [Kidney Diseases](#)
- [Kidney Failure](#)
- [Kidney Failure](#)
- [Leukemia](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Lymphoma](#)
- [Lymphoproliferative Disorders](#)
- [Macular Degeneration](#)
- [Malaria](#)
- [Malignant melanoma](#)
- [Melanoma](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Metabolic Syndrome X](#)
- [Metabolic Syndrome X](#)
- [Migraine Disorders](#)
- [Multiple Myeloma](#)
- [Multiple Sclerosis](#)
- [Multiple System Atrophy](#)
- [Myocardial Infarction](#)

- [Myocardial Infarction](#)
- [Myocardial Reperfusion Injury](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Neoplasms](#)
- [Obesity](#)
- [Occupational Diseases](#)
- [Osteoporosis](#)
- [Osteoporosis](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Pancreatitis](#)
- [Parkinson disease](#)
- [Periodontitis](#)
- [Peripheral Arterial Disease](#)
- [Peripheral Vascular Diseases](#)
- [Pneumonia](#)
- [Polymyalgia Rheumatica](#)
- [Postoperative Complications](#)
- [Postoperative Hemorrhage](#)
- [Premature Birth](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Pseudoxanthoma Elasticum](#)
- [Pulmonary Disease](#)
- [Pulmonary Fibrosis](#)

- [Purpura](#)
- [Q Fever](#)
- [Recurrence](#)
- [Respiratory Distress Syndrome](#)
- [Respiratory Syncytial Virus Infections](#)
- [Sarcoidosis](#)
- [Schizophrenia](#)
- [Shock](#)
- [Skin Neoplasms](#)
- [Stroke](#)
- [Stroke](#)
- [Syndrome](#)
- [Systemic Inflammatory Response Syndrome](#)
- [Temporal Arteritis](#)
- [Thromboembolism](#)
- [Thrombosis](#)
- [Thrombosis](#)
- [Trachoma](#)
- [Urinary Bladder Neoplasms](#)
- [Urinary Tract Infections](#)
- [Uveitis](#)
- [Vascular Diseases](#)
- [Vasculitis](#)
- [Venous Thrombosis](#)
- [Venous Thrombosis](#)
- [Vertebral Artery Dissection](#)

- [Vision Disorders](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)