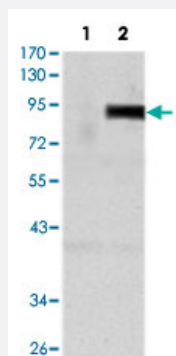


TNFRSF11B monoclonal antibody, clone 5G2

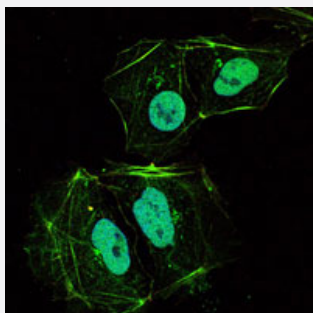
Catalog # MAB10335 Size 100 uL

Applications



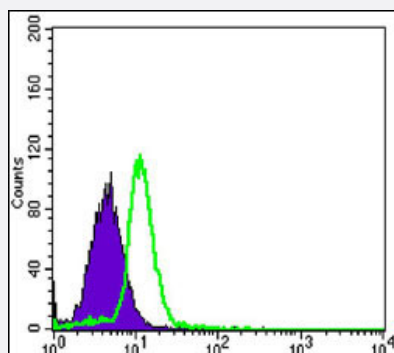
Western Blot (Transfected lysate)

Western blot analysis using TNFRSF11B monoclonal antibody, clone 5G2 (Cat # MAB10335) against HEK293 (1) and TNFRSF11B-hlgGfc transfected HEK293 (2) cell lysate.



Immunofluorescence

Immunofluorescence analysis of HL-60 cells using TNFRSF11B monoclonal antibody, clone 5G2 (Cat # MAB10335) (green). Blue: DRAQ5 fluorescent DNA dye.



Flow Cytometry

Flow cytometric analysis of HL-60 cells using TNFRSF11B monoclonal antibody, clone 5G2 (Cat # MAB10335) (green) and negative control (purple).

Specification

Product Description

Mouse monoclonal antibody raised against recombinant TNFRSF11B.

Immunogen	Recombinant protein corresponding to human TNFRSF11B.
Host	Mouse
Theoretical MW (kDa)	60
Reactivity	Human
Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Immunofluorescence (1:200-1:1000) Flow cytometry (1:200-1:400) The optimal working dilution should be determined by the end user.
Storage Buffer	In ascites (0.03% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Transfected lysate)

Western blot analysis using TNFRSF11B monoclonal antibody, clone 5G2 (Cat # MAB10335) against HEK293 (1) and TNFRSF11B-hlgGfc transfected HEK293 (2) cell lysate.

- Immunofluorescence

Immunofluorescence analysis of HL-60 cells using TNFRSF11B monoclonal antibody, clone 5G2 (Cat # MAB10335) (green). Blue: DRAQ5 fluorescent DNA dye.

- Enzyme-linked Immunoabsorbent Assay

- Flow Cytometry

Flow cytometric analysis of HL-60 cells using TNFRSF11B monoclonal antibody, clone 5G2 (Cat # MAB10335) (green) and negative control (purple).

Gene Info — TNFRSF11B

Entrez GeneID	4982
Gene Name	TNFRSF11B
Gene Alias	MGC29565, OCIF, OPG, TR1
Gene Description	tumor necrosis factor receptor superfamily, member 11b
Omim ID	239000 602643
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the TNF-receptor superfamily. This protein is an osteoblast-secreted decoy receptor that functions as a negative regulator of bone resorption. This protein specifically binds to its ligand, osteoprotegerin ligand, both of which are key extracellular r regulators of osteoclast development. Studies of the mouse counterpart also suggest that this prot ein and its ligand play a role in lymph-node organogenesis and vascular calcification. Alternatively spliced transcript variants of this gene have been reported, but their full length nature has not been determined. [provided by RefSeq]
Other Designations	osteoclastogenesis inhibitory factor osteoprotegerin

Pathway

- [Cytokine-cytokine receptor interaction](#)

Disease

- [Acute Disease](#)
- [Alveolar Bone Loss](#)
- [Alzheimer disease](#)
- [Arthritis](#)
- [Asthma](#)
- [Body Weight](#)
- [Bone Diseases](#)
- [Brain Ischemia](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)

- [Cerebral Hemorrhage](#)
- [Chronic Disease](#)
- [Coronary Disease](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Neuropathies](#)
- [Diarrhea](#)
- [Disease Progression](#)
- [Edema](#)
- [Escherichia coli Infections](#)
- [Femoral Neck Fractures](#)
- [Fractures](#)
- [Gaucher disease](#)
- [Genetic Predisposition to Disease](#)
- [Glomerulonephritis](#)
- [Hip Fractures](#)
- [Hypertension](#)
- [Hypertrophy](#)
- [Inflammation](#)
- [Kidney Failure](#)
- [Lupus Erythematosus](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Obesity](#)
- [Osteitis Deformans](#)
- [Osteoarthritis](#)

- [Osteoporosis](#)
- [Osteoporotic Fractures](#)
- [Periodontitis](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Prosthesis Failure](#)
- [Scoliosis](#)
- [Spinal Fractures](#)
- [Stroke](#)
- [Thyroid Neoplasms](#)