

For Research Use Only

Midkine Recombinant antibody, PBS Only

Catalog Number: 84815-1-PBS



Basic Information

Catalog Number:

84815-1-PBS

Concentration:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG24547

GenBank Accession Number:

BC011704

GeneID (NCBI):

4192

UNIPROT ID:

P21741

Full Name:

midkine (neurite growth-promoting factor 2)

Calculated MW:

16 kDa

Purification Method:

Protein A purification

CloneNo.:

241880H1

Applications

Tested Applications:

IF/ICC, FC (Intra), Indirect ELISA

Species Specificity:

human

Background Information

Midkine is a heparin-binding growth factor identified over 20 years ago and enhances the survival, migration and many other activities of target cells. Midkine is rich in both basic amino acids and cysteine, and is not related to most other growth factors/cytokines. It is strongly expressed during embryonic periods, especially at the midgestation stage, and plays important roles in development, especially in neurogenesis. Midkine expression in adult tissue is generally weak or undetectable, and it is induced upon injury and exerts many activities related to tissue repair. The biological activities of midkine in malignant tumors include proliferation, angiogenesis, invasion and metastasis. Various cancers express significantly higher levels of the midkine protein in early stage tumor tissues than in adjacent normal tissue.

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

For technical support and original validation data for this product please contact:

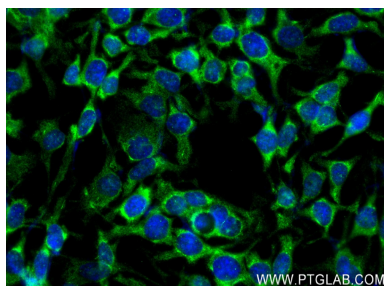
T: 4006900926

E: Proteintech-CN@ptglab.com

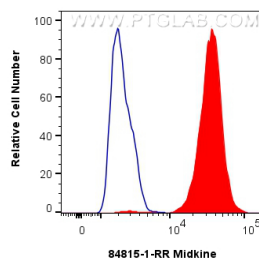
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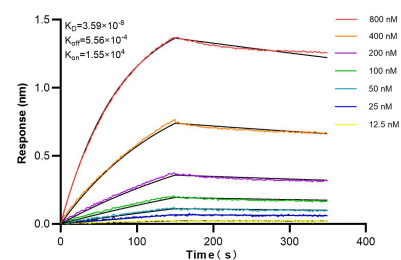
Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using Midkine antibody (84815-1-RR, Clone: 241880H1) at dilution of 1:250 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 84815-1-PBS in a different storage buffer formulation.



1x10⁶ HeLa cells were intracellularly stained with 0.25 ug Midkine Recombinant antibody (84815-1-RR, Clone:241880H1) and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 84815-1-PBS in a different storage buffer



Biolayer interferometry (BLI) kinetic assays of 84815-1-RR against Human Midkine were performed. The affinity constant is 35.9 nM.