

Insulin-like Growth Factor-1 (IGF-1) Antibody

Mouse Monoclonal Antibody [Clone SPM406]

| Catalog No | Format | Size |
|------------------|---|--------|
| 3479-MSM1X-P0 | Purified Ab with BSA and Azide at 200ug/ml | 20 ug |
| 3479-MSM1X-P1 | Purified Ab with BSA and Azide at 200ug/ml | 100 ug |
| 3479-MSM1X-P1ABX | Purified Ab WITHOUT BSA and Azide at 1.0mg/ml | 100 ug |

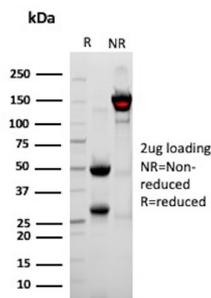
| Applications | Tested Dillution | Note |
|----------------------------|---------------------|---|
| Flow Cytometry (Flow) | 1-2ug/million cells | |
| Immunofluorescence (IF) | 1-3ug/ml | |
| Immunohistochemistry (IHC) | 1-2ug/ml | 30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes |

Product Details

| | |
|-------------------------------|---|
| Clone | SPM406 |
| Gene Name | IGF1 |
| Immunogen | Purified human IGF-1 protein |
| Host | Mouse |
| Clonality | Monoclonal |
| Isotype / Light Chain | IgG1 / Kappa |
| Mol. Weight of Antigen | ~7.6kDa |
| Cellular Localization | Secreted |
| Species Reactivity | Human, Mouse, Rabbit, Rat |
| Positive Control | Pancreas or brain. Breast, Thyroid or Colon Cancers; IGF-1 recombinant protein. |

*Optimal dilution for a specific application should be determined.

Product Images for Insulin-like Growth Factor-1 (IGF-1) Antibody



SDS-PAGE Analysis of Purified IGF-1 Mouse Monoclonal Antibody (SPM406).
Confirmation of Purity and Integrity of Antibody.

Specificity & Comments

This antibody is specific to Insulin-like Growth Factor (IGF-1) and shows minimal cross-reaction with IGF-11, Proinsulin, MSF, and Insulin. IGF-1 is a polypeptide growth factor with two isoforms that are produced by alternative splicing. Isoform 1 is also known as IGF-IB while isoform 2 is known as IGF-IA. IGF-1 stimulates the proliferation of a wide range of cell types including muscle, bone and cartilage tissue. It functions as an autocrine regulator of growth. Activation of IGF system has emerged as a key factor for tumor progression and resistance to apoptosis in many cancers like those of breast, thyroid and colon.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

AKT Signaling, Breast Cancer, Cardiovascular, Mesenchymal Stem Cell Differentiation, Neural Stem Cells, Neuroinflammation, Signal Transduction, Stem Cell Differentiation
