

## 36-2532: Anti-Insulin-like Growth Factor-1 (IGF-1) Monoclonal Antibody(Clone: SPM406)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	SPM406
<b>Application :</b>	ELISA,FACS,IF,IHC
<b>Reactivity :</b>	Human, Mouse, Rat
<b>Gene :</b>	IGF1
<b>Gene ID :</b>	3479
<b>Uniprot ID :</b>	P05019
<b>Alternative Name :</b>	Insulin-like Growth Factor IA (IGF-IA); Insulin-like Growth Factor IB (IGF-IB); Mechano Growth Factor (MGF); Somatomedin-C
<b>Isotype :</b>	Mouse IgG1, kappa
<b>Immunogen Information :</b>	Purified human IGF-1 protein

### Description

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.

### Product Info

<b>Amount :</b>	20 µg / 100 µg
<b>Content :</b>	200 µg/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.
<b>Storage condition :</b>	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.

### Application Note

ELISA (For coating, purchase antibody without BSA); Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml); Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 min at RT); In-vitro Neutralization of Biological Activity of IGF-1 (Order Ab without Azide)