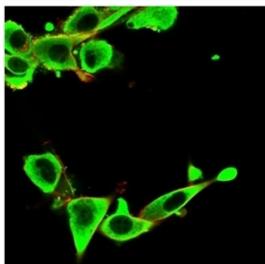


## IGFBP3 Antibody [clone IGFBP3/3424] (V9555)

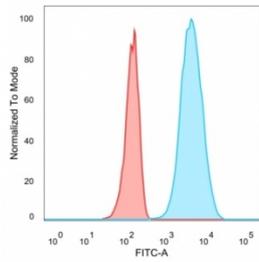
Catalog No.	Formulation	Size
V9555-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9555-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9555SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG2b, kappa
<b>Clone Name</b>	IGFBP3/3424
<b>Purity</b>	Protein A/G affinity
<b>UniProt</b>	P17936
<b>Localization</b>	Cytoplasm, Nucleus
<b>Applications</b>	Flow Cytometry : 1-2ug/million cells Immunofluorescence : 1-2ug/ml
<b>Limitations</b>	This IGFBP3 antibody is available for research use only.

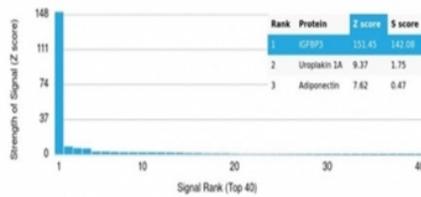


Immunofluorescent staining of PFA-fixed U-87 MG cells using IGFBP3 antibody (green, clone IGFBP3/3424) and phalloidin (red).



FACS staining of PFA-fixed human U-87 MG cells with IGFBP3 antibody (blue, clone IGFBP3/3424) and isotype control (red).

#### Human Protein Microarray Specificity Validation



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using IGFBP3 antibody (clone IGFBP3/3424). These results demonstrate the foremost specificity of the IGFBP3/3424 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.

## Description

The Insulin-like growth factor-binding proteins, or IGFBPs, are a family of homologous proteins that have co-evolved with the IGFs. They serve not only as shuttle molecules for the soluble IGFs, but also confer a level of regulation to the IGF signaling system. Physical association of the IGFBPs with IGF influences the bio-availability of the growth factors, as well as their concentration and distribution in the extracellular environment. In addition, the IGFBPs appear to have biological activity independent of the IGFs. Seven IGFBPs have thus far been described, each differing in their tissue distribution, half-lives and modulation of IGF interactions with their receptors. IGFBP3 is the most abundant IGFBP and is complexed with roughly 80% of the serum IGFs. Both IGFBP3 and IGFBP4 are released by dermal fibroblasts in response to incision injury.

## Application Notes

Optimal dilution of the IGFBP3 antibody should be determined by the researcher.

## Immunogen

Recombinant human full-length IGFBP3 protein was used as the immunogen for the IGFBP3 antibody.

## Storage

Aliquot the IGFBP3 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.