

Product datasheet

Anti-IGFBP1 antibody [33627.11] ab10732

1 References

Overview

Product name	Anti-IGFBP1 antibody [33627.11]
Description	Mouse monoclonal [33627.11] to IGFBP1
Host species	Mouse
Specificity	No cross-reactivity is seen with recombinant human IGFBP2, IGFBP3 and IGFBP4.
Tested applications	Suitable for: WB, ELISA, Neutralising
Species reactivity	Reacts with: Human
Immunogen	Recombinant full length protein (Human).
Positive control	

[Purchase matching WB positive control:
Recombinant human IGFBP1 protein](#) >

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Constituent: PBS
Purity	Protein G purified
Clonality	Monoclonal
Clone number	33627.11
Isotype	IgG1

Applications

Our [Abpromise guarantee](#) covers the use of **ab10732** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		

Application	Abreviews	Notes
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ELISA

Neutralising

Application notes

ELISA: Use at a concentration of 2 µg/ml. In the ELISA capture assay, plates are coated with 100 µl/well of the capture antibody (2 µg/ml) in combination with 100 µl/well of a detection antibody (affinity-purified biotinylated polyclonal anti-human IGFBP1 antibody at 100 ng/ml). An ELISA range of 62.4 to 4000 pg/ml may be obtained.

Neut: Use at a concentration of 10 - 40 µg/ml. The Neutralization Dose50 (ND50) for this antibody is 10-40 µg/ml in the presence of approximately 5 µg/ml of recombinant human IGFBP1 and approximately 6 ng/mL of recombinant human IGF1, using human MCF7 cells.

WB: Use at a concentration of 1 - 2 µg/ml. Predicted molecular weight: 28 kDa. The detection limit for recombinant human IGFBP1 is approximately 0.5 ng/lane under non-reducing conditions.

Not tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

Target

Function

IGF-binding proteins prolong the half-life of the IGFs and have been shown to either inhibit or stimulate the growth promoting effects of the IGFs on cell culture. They alter the interaction of IGFs with their cell surface receptors. Promotes cell migration.

Sequence similarities

Contains 1 IGFBP N-terminal domain.

Contains 1 thyroglobulin type-1 domain.

Post-translational modifications

Phosphorylated; probably by casein kinase II. Alters the affinity of the protein for IGFs.

Cellular localization

Secreted.

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