

Product datasheet

Native Protein G (Alkaline Phosphatase) ab7461

1 References

Description

Product name	Native Protein G (Alkaline Phosphatase)
Purity	> 98 % Protein G purified.
Expression system	Native
Accession	<u>P19909</u>
Protein length	Full length protein
Animal free	No
Nature	Native
Species	Streptococcus
Predicted molecular weight	63 kDa
Conjugation	Alkaline Phosphatase

Specifications

Our **Abpromise guarantee** covers the use of **ab7461** in the following tested applications.

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

Applications	Western blot
	Dot blot
	ELISA
	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
	Immunohistochemistry (Frozen sections)
Form	Liquid
Additional notes	Molecular Weight (protein G): 33,000 daltons
	Extinction Coefficient: 1% at 280 nm is 9.5 (E ^{0.1%} of 9.5)

Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C. Do Not Freeze.
	Preservative: 0.01% Sodium azide
	Constituents: 0.42% Potassium phosphate, 0.87% Sodium chloride

General Info

Relevance

Protein G is a bacterial protein derived from the cell wall of certain strains of *β*-hemolytic *Streptococci*. It binds with high affinity to the Fc portion of various classes and subclasses of immunoglobulins from a variety of species. Protein G binds to all IgG subclasses from human, mouse and rat species. It also binds to total IgG from guinea pig, rabbit, goat, cow, sheep, and horse. Protein G binds preferentially to the Fc portion of IgG, but can also bind to the Fab region, making it useful for purification of F(ab') fragments of IgG. Due to its affinity for the Fc region of many mammalian immunoglobulins, protein G is considered a universal reagent in biochemistry and immunology.

Cellular localization

Cell Wall and Secreted

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