

## Product datasheet

# Native Protein G (Alkaline Phosphatase) ab7461

### 1 References

#### Description

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<b>Product name</b>	Native Protein G (Alkaline Phosphatase)
<b>Expression system</b>	Native
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Native
<b>Conjugation</b>	Alkaline Phosphatase

#### Specifications

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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.

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

#### Preparation and Storage

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<b>Stability and Storage</b>	Shipped at 4°C. Store at +4°C. Do Not Freeze.
	pH: 7.20
	Preservative: 0.01% Sodium azide
	Constituents: 0.42% Potassium phosphate, 0.87% Sodium chloride

#### General Info

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<b>Relevance</b>	Protein G is a bacterial protein derived from the cell wall of certain strains of b-hemolytic Streptococci. It binds with high affinity to the Fc portion of various classes and subclasses of
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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

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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