

Product datasheet

C5 / C5b peptide ab46166

Overview

Product name C5 / C5b peptide

Description

Nature Synthetic

Specifications

Our [Abpromise guarantee](#) covers the use of **ab46166** in the following tested applications.

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

Form Liquid

Additional notes

This peptide is derived specifically from the alpha / alpha' chain of C5, which forms part of C5b

- *First try to dissolve a small amount of peptide in either water or buffer. The more charged residues on a peptide, the more soluble it is in aqueous solutions.*
- *If the peptide doesn't dissolve try an organic solvent e.g. DMSO, then dilute using water or buffer.*
- *Consider that any solvent used must be compatible with your assay. If a peptide does not dissolve and you need to recover it, lyophilise to remove the solvent.*
- *Gentle warming and sonication can effectively aid peptide solubilisation. If the solution is cloudy or has gelled the peptide may be in suspension rather than solubilised.*
- *Peptides containing cysteine are easily oxidised, so should be prepared in solution just prior to use.*

Preparation and Storage

Stability and Storage Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

Information available upon request.

General Info

Relevance C5 is synthesised in the liver as a single polypeptide chain. Before secretion the molecule is

glycosylated and secreted into plasma as a 190kDa glycoprotein consisting of a disulphide linked alpha-chain (115kDa) and beta-chain (75kDa). C5 precursor is first processed by the removal of 4 basic residues, forming two chains, beta and alpha, linked by a disulfide bond. C5 convertase activates C5 by cleaving the alpha chain, releasing C5a anaphylatoxin and generating C5b (beta chain + alpha' chain).

Cellular localization

Secreted

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