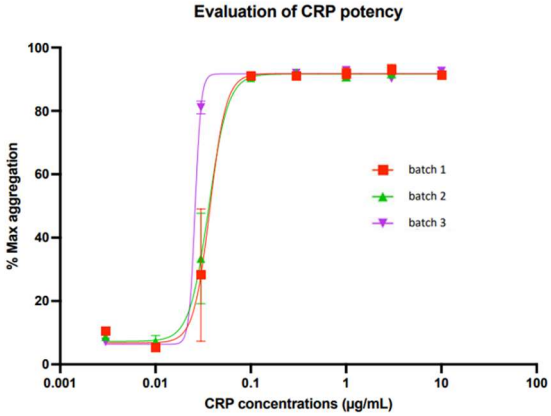
CRP- A collagen related peptide

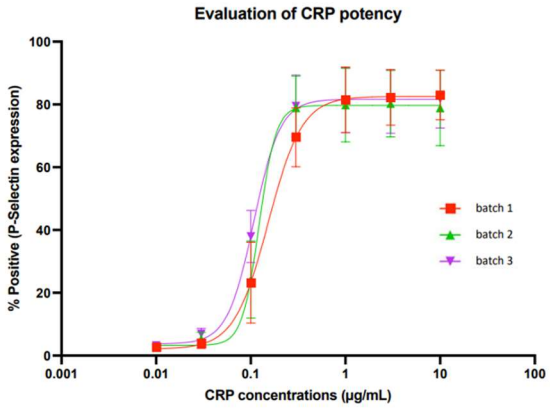
Catalogue Number CRP-A0.5-WIN03

Specificity CRP-A proven to be a strong agonist of Glycoprotein GPVI receptor platelet activation pathway. For research only.

Biological activity Ability of CRP-A to initiate platelets activation and aggregation has been tested using p-selectin expression and light transmission aggregometry respectively

- ✓ Batch to batch consistency on CRP-A response to platelet activation and aggregation
- ✓ Minimum dose that causes maximum aggregation is between 0.08 µg/mL and 0.14 µg/mL
- ✓ Minimum dose that causes maximum activation is between 0.22 µg/mL and 0.30 µg/mL
- ✓ CRP-A activity is in the range of concentration from 10 µg/mL to 0.03 µg/mL





Stability CRP-A crosslinking process has been optimized with a high stability rate Homogeneity of the triple helical structure from batch to batch

Sample dissolved in water	UV-purity (230nm)
Month 6 ; -20°C	99.1%
Month 2 ; -20°C	99.8%
Month 6 ; 4°C	98.4%
Month 2 ; 4°C	99.5%
Month 6 ; RT	99.7%
Month 2 ; RT	98.7%
Start	99.8%

Up to 3 months when dissolved in water and stored in freezer, nothing happened to the sample.

Purity High purity rate > 99.5%
Low byproducts

Format Lyophilized powder

Preparation

CRP-A powder can be dissolved in water, saline or 0.01M acetic acid
Reconstitute to a minimum of 2.5mg/ml using water, saline or 0.01M acetic acid
Vortex before each use

Storage

	Storage Temperature	Storage Period
Lyophilized - long term storage	-20°C	12 months
Lyophilized - short term storage	Room temperature	2 weeks
In solvent at concentration:		
2.5mg/ml stock solution	-20°C	6 months
2.5mg/ml stock solution	+4°C	4 weeks
Less than 1mg/ml working solution	+4°C	2 weeks

Once reconstituted in solution CRP-A remains active up to 3 hours
Store reconstituted CRP-A in smaller aliquots to avoid multiple freeze thaw cycles