

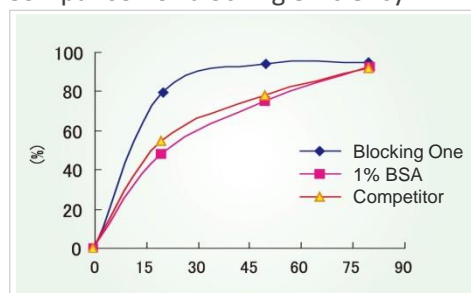
High Performance Blocking Reagents

■ Blocking One

Blocking is indispensable in immunoassays in order to block non-specific binding reactions. Blocking One contains both high molecular weight compounds and bovine serum protein. Blocking One is superior to conventional blocking solutions. The preservative in Blocking One does not affect the enzyme activity of peroxidase (POD) or alkaline phosphatase (ALP). Only simple refrigerator storage is necessary, even after opening the bottle.

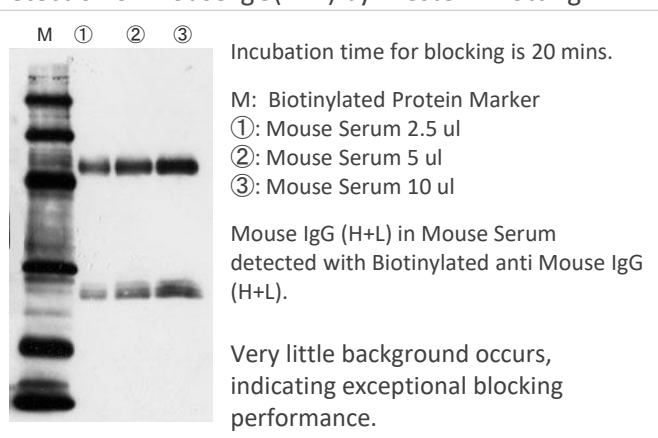
- **Fast** – in many assays a reduction of incubation time for blocking can be realized
- **Ready-to-use solution** – simple storage in refrigerator even after opening the bottle

Comparison of blocking efficiency



The relationship between the reaction time and the blocking efficiency in microplate assay. In comparison with other products, Blocking One shows the fastest dynamics.

Detection of Mouse IgG(H+L) by Western Blotting



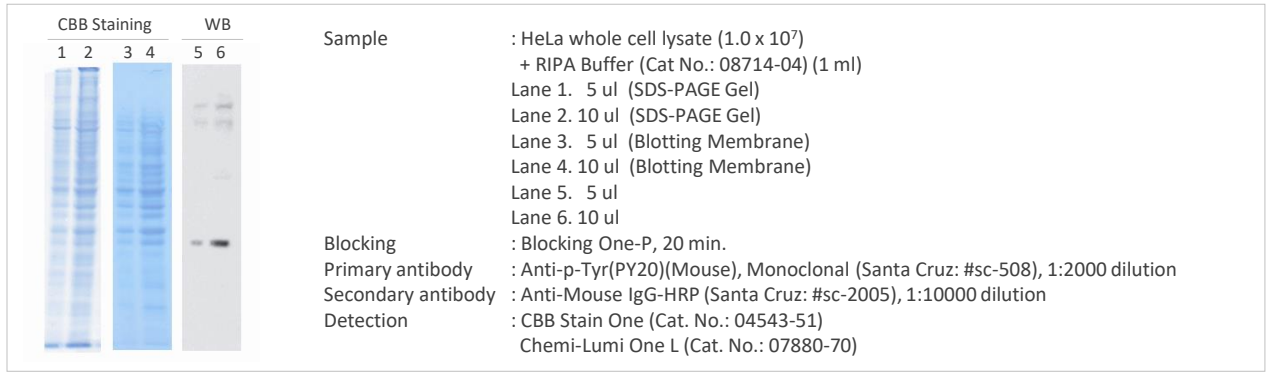
■ Blocking One-P

In immunological detection methods, blocking agents containing phosphoproteins such as skim milk are not well suited for immunoassays with phospho-specific antibodies, and cause high background. Blocking One-P is an exclusive blocking solution, free of phosphate group and endogenous phosphatase. For phospho protein detection. The performance is superior compared with conventional blocking solutions such as 1% BSA. The preservative does not affect the enzyme activity of peroxidase (POD) or alkaline phosphatase (ALP). Only simple refrigerator storage is necessary, even after opening the bottle.

- **Safe** – does not contain phosphorylated proteins
- **Confirmed** – endogeneous phosphatase free
- **High efficiency** – more effective than 1% BSA

	Composition	Phospho-specific Ab application	Blocking efficacy
Blocking One-P	- High molecular weight compounds - BSA	+++	+++
Blocking One	- High molecular weight compounds - BSA - Casein	+	+++
Skim milk	- Casein	-	+
1% BSA	- BSA	++	+

Western Blotting with phospho-specific antibody



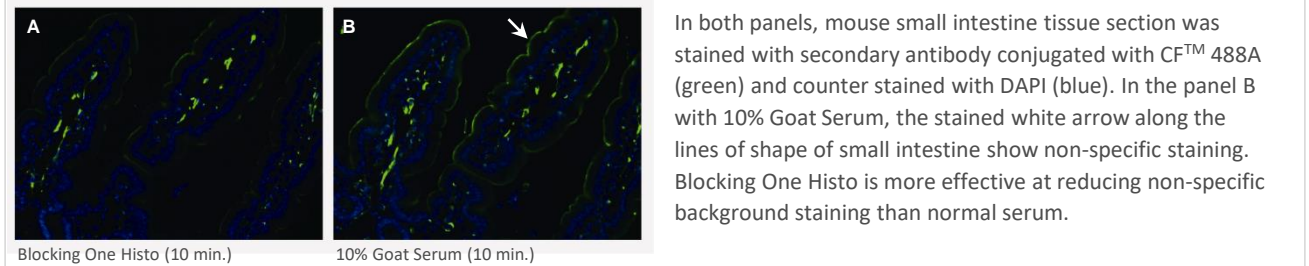
■ Blocking One Histo

Blocking One Histo is a blocking buffer to prevent non-specific binding of antibodies in immunohistochemistry (IHC).

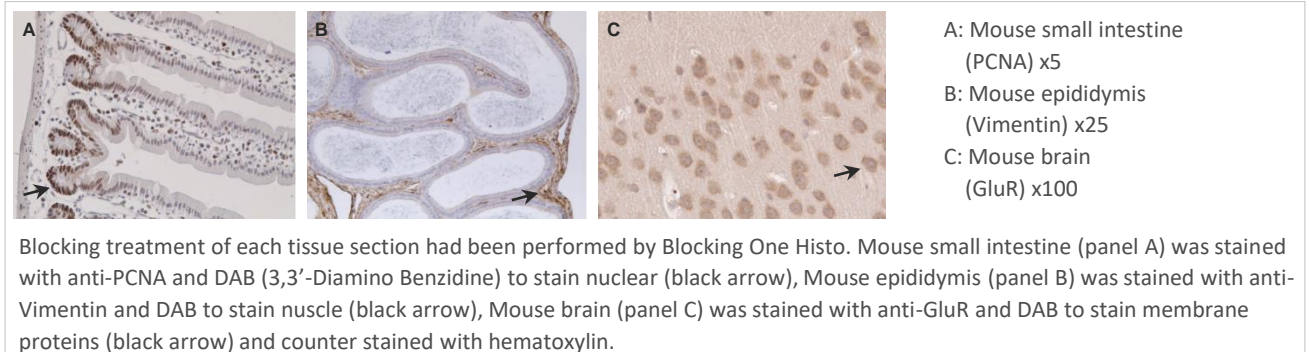
- **Easy-to-use** – eye-drop bottle
- **Confirmed** – can be used for immunofluorescence staining
- **Safe** – the preservative does not affect the activity of alkaline phosphatase or horseradish peroxidase



Comparison of blocking efficient with 10% Goat Serum (Immunofluorescence)



Application data



Ordering information

Product Name	Storage	Cat. No.	Quantity	Price (US\$)
Blocking One	4°C	03953-95	500 ml	63.00
Blocking One-P	4°C	05999-84	200 ml	52.00
Blocking One Histo	4°C	06349-64	50 ml	105.00