

## DESCRIPTION

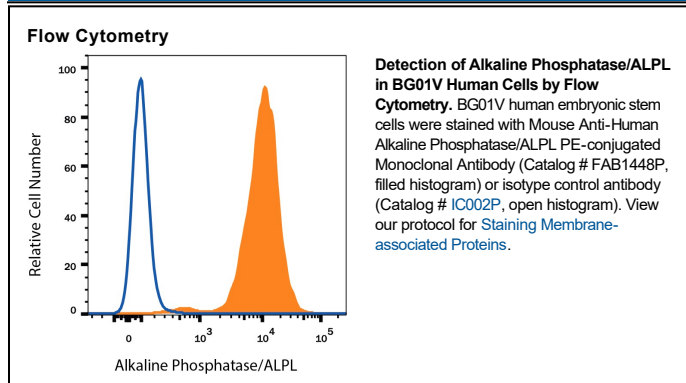
<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects liver, bone and kidney Alkaline Phosphatase/ALPL from human tissue (2).
<b>Source</b>	Monoclonal Mouse IgG <sub>1</sub> Clone # B4-78
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	Human liver, bone and kidney-derived Alkaline Phosphatase/ALPL
<b>Conjugate</b>	Phycoerythrin Excitation Wavelength: 488 nm Emission Wavelength: 565-605 nm
<b>Formulation</b>	Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details.  *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

## APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Flow Cytometry</b>	10 $\mu$ L/10 <sup>6</sup> cells	See Below

## DATA



## PREPARATION AND STORAGE

<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	<b>Protect from light. Do not freeze.</b> ● 12 months from date of receipt, 2 to 8 °C as supplied.

## BACKGROUND

The liver, bone and kidney Alkaline Phosphatase, also known as tissue non-specific Alkaline Phosphatase, is a glycosyl phosphatidylinositol (GPI) anchored protein. Human liver/bone/kidney Alkaline Phosphatase shares 90% amino acid sequence homology with the mouse enzyme.

### References:

1. Lawson, G.M. *et al.* (1985) Clin. Chem. **31**:381.
2. Gronthos, S. *et al.* (1999) J. Bone Miner. Res. **14**:47.
3. Dorheim, M.A. *et al.* (1993) J. Cell Physiol. **154**:317.