

## ALPP Mouse/human Chimeric Monoclonal Antibody

SKU: EAB-053

**ALPP mouse/human chimeric** monoclonal antibody (Clone ID: 4E11), expressed in Chinese Hamster Ovary cells (CHO), is capable of strong binding to human ALPP.

Alkaline phosphatase, placental type (ALPP), is a membrane-bound glycosylated dimeric enzyme. ALPP is a tumor marker, especially in seminoma and ovarian cancer (e.g., dysgerminoma). ALPP monoclonal antibody is developed from phage display technologies. It is a human recombinant monoclonal antibody that binds specifically to human placental alkaline phosphatase (ALPP). This ALPP monoclonal antibody is developed from phage display technologies from mouse naive scFv library (**SKU: ADL-05**). It is a mouse/human chimeric monoclonal antibody that binds specifically to human ALPP.

species reactivity	human
recombinant	expressed in Chinese Hamster Ovary cells (CHO).
applications	ELISA, WB, IHC
antibody form	affinity purified immunoglobulin
immunogen	human ALPP
clone	4E11
purity	>95% (SDS-PAGE)
form	0.015 M PBS, 0.05% NaN <sub>3</sub> , pH7.2
concentration	~ 2 mg/ml
isotype	human IgG1, k
Fc-engineered	n/a; wild type Fc

- Store at -20°C. Recombinant monoclonal antibodies are guaranteed stable for 12 months when properly stored.

### References:

1. Chen J, Liao J, Xiang L, Zhang S, Yan Y. Current knowledge of TNF- $\alpha$  monoclonal antibody infliximab in treating Kawasaki disease: a comprehensive review. *Front Immunol.* 2023, 14:1237670.
2. Thalayasingam N, Isaacs JD. Anti-TNF therapy. *Best Pract Res Clin Rheumatol.* 2011, 25(4):549-67.
3. Danese S, Fiorino G, Peyrin-Biroulet L. Positioning Therapies in Ulcerative Colitis. *Clin Gastroenterol Hepatol.* 2020, 18(6):1280-1290.
4. Berry M, Brightling C, Pavord I, Wardlaw A. TNF-alpha in asthma. *Curr Opin Pharmacol.* 2007, 7(3):279-282.