

## 32-6076: Mouse Anti Human Eukaryotic Translation Initiation Factor 2 Subunit 1 Alpha(Clone:PEIF2S1AT.)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	PEIF2S1AT.
<b>Application :</b>	ELISA,WB
<b>Gene :</b>	EIF2S1
<b>Gene ID :</b>	1965
<b>Uniprot ID :</b>	P05198
<b>Format :</b>	Purified
<b>Alternative Name :</b>	Eukaryotic translation initiation factor 2 subunit 1,Eukaryotic translation initiation factor 2 subunit alpha,eIF-2-alpha,EIF-2alpha,EIF-2A,EIF2,EIF-2,EIF2A,EIF-2A.
<b>Isotype :</b>	Mouse IgG2b heavy chain and kappa light chain.
<b>Immunogen Information :</b>	Anti-human EIF2S1 mAb, is derived from hybridization of mouse FO myeloma cells with spleen cells from BALB/c mice immunized with recombinant human EIF2S1 amino acids 1-315 purified from E. coli.

### Description

EIF2S1 participates in the premature steps of protein synthesis by forming a ternary complex with GTP and initiator tRNA which binds to a 40S ribosomal subunit, followed by mRNA binding to create a 43S pre-initiation complex. Junction of the 60S ribosomal subunit to form the 80S initiation complex is preceded by hydrolysis of the GTP bound to eIF-2 and release of an eIF-2-GDP binary complex. In order for eIF-2 to recycle and catalyze another round of initiation, the GDP bound to eIF-2 should exchange with GTP by way of a reaction catalyzed by eIF-2B.

### Product Info

<b>Amount :</b>	20 µg
<b>Purification :</b>	EIF2S1 antibody was purified from mouse ascitic fluids by protein-G affinity chromatography.
<b>Content :</b>	1mg/ml containing PBS, pH-7.4, & 0.1% Sodium Azide.
<b>Storage condition :</b>	For periods up to 1 month store at 4°C, for longer periods of time, store at -20°C. Prevent freeze thaw cycles.

### Application Note

EIF2S1 antibody has been tested by ELISA and Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended dilution range for Western blot analysis is 1:1,000.