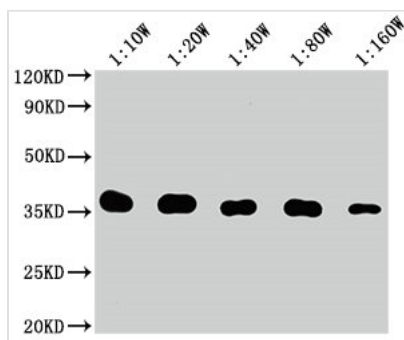




# Flag Tag Monoclonal Antibody

<b>Product Code</b>	CSB-MA000021M0m
<b>Storage</b>	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
<b>Immunogen</b>	DYKDDDDK(Flag) synthetic peptide conjugate to KLH
<b>Raised In</b>	Mouse
<b>Species Reactivity</b>	All
<b>Tested Applications</b>	ELISA, WB, IF, IP; Recommended dilution: WB:1:1000-1:10000, IF:1:100-1:300, IP:0.5ul-2ul
<b>Relevance</b>	Flag-tag, or Flag octapeptide, is a polypeptide protein tag that can be added to a protein using recombinant DNA technology. It can be used for affinity chromatography, then used to separate recombinant, overexpressed protein from wild-type protein expressed by the host organism. It can also be used in the isolation of protein complexes with multiple subunits. A Flag-tag can be used in many different assays that require recognition by an antibody. If there is no antibody against the studied protein, adding a Flag-tag to this protein allows one to follow the protein with an antibody against the Flag sequence. Examples are cellular localization studies by immunofluorescence or detection by SDS PAGE protein electrophoresis.
<b>Form</b>	Liquid
<b>Conjugate</b>	Non-conjugated
<b>Storage Buffer</b>	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
<b>Purification Method</b>	>95%, Protein G purified
<b>Isotype</b>	IgG2a
<b>Clonality</b>	Monoclonal
<b>Product Type</b>	Tag Control Antibody
<b>Clone No.</b>	4G5C8

## Image

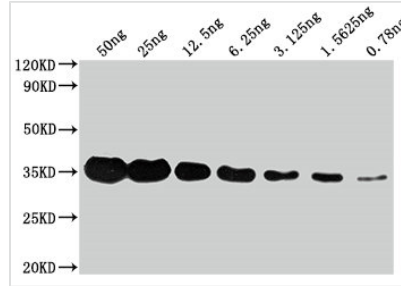


### Western Blot

Positive WB detected in: 10ng Flag Tag fusion protein Flag Tag antibody at 1:100000, 1:200000, 1:400000, 1:800000, 1:1600000

### Secondary

Goat polyclonal to mouse IgG at 1/50000 dilution  
Predicted band size: 35 kDa  
Observed band size: 35 kDa



**Western Blot**

Positive WB detected in: Flag Tag fusion protein at 50ng, 25ng, 12.5ng, 6.25ng, 3.625ng, 1.5625ng, 0.78ng

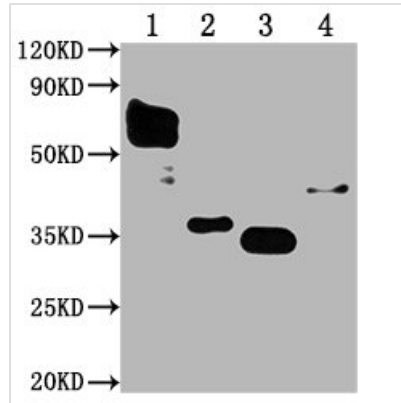
All lanes: Flag Tag antibody at 1:1000

Secondary

Goat polyclonal to mouse IgG at 1/50000 dilution

Predicted band size: 35 kDa

Observed band size: 35 kDa



**Western Blot**

Positive WB detected in: Flag Tag fusion protein 1, 2, 3, 4 at 50ng

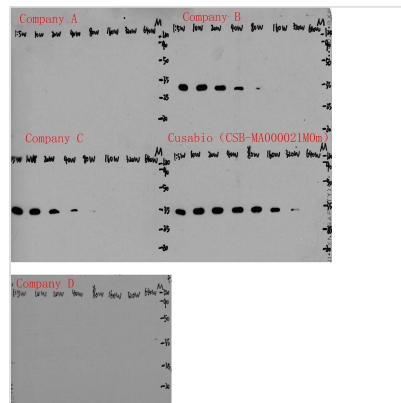
All lanes: Flag Tag antibody at 1:1000

Secondary

Goat polyclonal to mouse IgG at 1/50000 dilution

Predicted band size: 59.6, 36, 35, 42 kDa

Observed band size: 59.6, 36, 35, 42 kDa



**Western Blot**

Positive WB detected in: Flag Tag fusion protein at 10ng

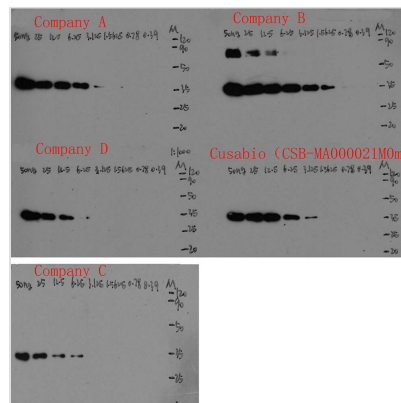
All lanes: Company A, Company B, Company C, Company D, CSB-MA000021M0m antibody at 1:50000, 1:100000, 1:200000, 1:400000, 1:800000, 1:1600000, 1:3200000, 1:6400000

Secondary

Goat polyclonal to Mouse IgG at 1/50000 dilution

Predicted band size: 35 kDa

Observed band size: 35 kDa



**Western Blot**

Positive WB detected in: Flag Tag fusion protein at 50ng, 25ng, 12.5ng, 6.25ng, 3.125ng, 1.5625ng, 0.78ng, 0.39ng

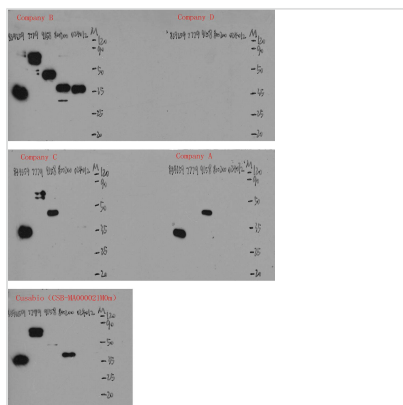
All lanes: Company A, Company B, Company C, Company D, CSB-MA000021M0m antibody at 1:1000

Secondary

Goat polyclonal to Mouse IgG at 1/50000 dilution

Predicted band size: 35 kDa

Observed band size: 35 kDa



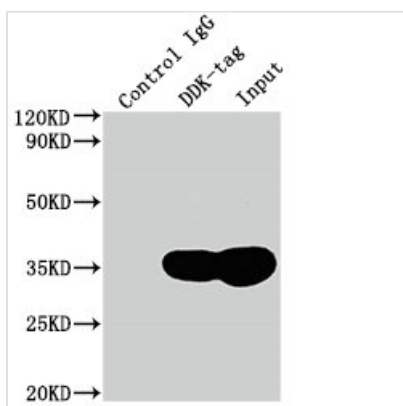
**Western Blot**

Positive WB detected in: 5 different recombinant proteins with Flag Tag

All lanes: Company A, Company B, Company C, Company D, CSB-MA000021M0m antibody at 1:5000

Secondary

Goat polyclonal to Mouse IgG at 1/50000 dilution



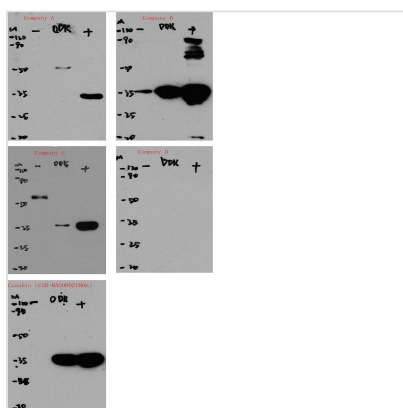
**Immunoprecipitating Flag Tag in Transfected HEK-293 cell whole cell lysate**

Lane 1: Mouse control IgG instead of CSB-MA000021M0m in Transfected HEK-293 cell whole cell lysate

Lane 2: CSB-MA000021M0m (1µl) + Transfected HEK-293 cell whole cell lysate (500µg)

Lane 3: Transfected HEK-293 cell whole cell lysate (20µg)

For western blotting, the blot was detected with CSB-MA000021M0m at 1:5000, and a HRP-conjugated Protein G antibody was used as the secondary antibody at 1:2000

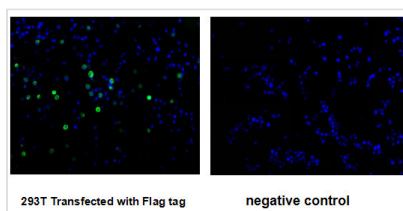


**Immunoprecipitating Flag Tag in 293F transfected whole cell lysate**

Lane 1: Mouse control IgG instead of CSB-MA000021M0m in Flag Tag in 293F transfected whole cell lysate. For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000)

Lane 2: Company A (1µl), Company B (1µl), Company C (1µl), Company D (1µl), CSB-MA000021M0m (1µl) + Flag Tag in 293F transfected whole cell lysate (500µg)

Lane 3: Flag Tag in 293F transfected whole cell lysate (20µg)



Immunofluorescence staining of 293T cells transfected with Flag tag by CSB-MA000021M0m at 1:300, counter-stained with DAPI. The cells were fixed in 4% formaldehyde and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-mouse IgG(H+L). The image on the right is the 293T cells transfected without Flag tag.