[pTyr^{705}]STAT3 monoclonal antibody (9E12)

The STAT proteins serve as both cytoplasmic **s**ignal **t**ransducers and nuclear **a**ctivators of **t**ranscription. STAT3 is activated by tyrosine phosphorylation at residue Y705 in cells treated with interleukin-6 or EGF. Activated STAT3 can bind to DNA either as homodimer or as heterodimer with STAT1.

This antibody is covered by our Worry-Free Guarantee.

Ordering Information

Order Online »

ALX-804-1800	100µg

Manuals, SDS & CofA

View Online »

Handling & Storage

Use/Stability	Stable at -80°C up to 1 year, at 4°C up to 3 months.
Handling	Avoid freeze/thaw cycles. After reconstitution, prepare aliquots and freeze in liquid nitrogen.
Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Signal transducer and activator of transcription 3
Application	ELISA, ICC, IHC, IP, WB
Clone	9E12
Crossreactivity	Does not cross-react with the non-phosphorylated form of STAT3 nor with unrelated tyrosine-phosphorylated proteins.
Formulation	Lyophilized from 1ml of 2x PBS containing 0.09% sodium azide, PEG, and sucrose.
Host	Mouse
Immunogen	Synthetic peptide corresponding to a portion of STAT3 phosphorylated at Tyr705 conjugated to KLH.
Isotype	IgG1
Positive Control	Included. (Prod. No. ALX-840-025)
Purity Detail	Thiophilic adsorption and size exclusion chromatography purified.

Recommendation Dilutions/Conditions	Western Blot (0.1µg/ml for HRPO/ECL detection; recommended blocking buffer CPPT: 10mM TRIS-HCl, pH 7.4, 0.5% (w/v) casein, 1% (w/v) PEG 4,000, 1% (w/v) polyvinylpyrrolidone, 0.1% (v/v) Tween 20, 150mM sodium chloride)Suggested dilutions/conditions may not be available for all applications.Optimal conditions must be determined individually for each application.
Reconstitution	Reconstitute with 1ml water (15 minutes at room temperature).
Species Reactivity	Dog, Human, Mouse
Specificity	Recognizes the -AAPpYLKT-motif of activated STAT3 phosphorylated at Tyr^{705}.
Technical Info / Product Notes	Replacement for **ADI-905-671**
UniProt ID	P40763
Worry-free Guarantee	**This antibody is covered by our Worry-Free Guarantee .**

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