

**Anti MHC class I alpha chain (chicken)
mouse monoclonal antibody**

Subclass: IgG1/k

PRODUCT NO.

KSK 001-03

PRESENTATION

Preparation: Protein-A/G purified
 Content: Available in 200 µL and 1 mL, 1 mg/mL
 Solvent: 0.01 M phosphate buffer, pH 7.4, with 0.5 M NaCl and 15 mM sodium azide
 Storage: In the dark at 4-8°C

ANTIGEN

The chicken major histocompatibility complex (MHC) class I is similar to the mammalian MHC class I consisting of a polymorphic alpha chain (45 kDa) non covalently bound to b₂-microglobulin (12-14 kDa). MHC class I is expressed on most nucleated cells in chicken, including the red blood cells.

IMMUNOGEN

White blood cells from chicken plasma

SPECIFICITY

KSK 001-03 reacts with the alpha chain of chicken MHC class I, both native and denatured.

EPITOPE SPECIFICITY

Reacts with a non-polymorphic epitope on chicken MHC class I alpha chain

REACTIVITY

KSK 001-03 is suitable for Western blotting, flow cytometry, immunoprecipitation, and affinity purification on chicken MHC class I.

CULTURE MEDIUM

RPMI 1640 with 10% fetal calf serum

FUSION PARTNER

X63-Ag8.653.

IMMUNIZATION

BALB/c mice immunized i.p.

APPLICATION

Method	Usability	Dilution guideline	References
ELISA	Not determined		
Immunoblotting	Yes		3, 4
Immunohistochemistry	Not determined		

REFERENCES

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- Koch C (1986) The alternative complement pathway in chickens. Purification of factor B and production of a monospecific antibody against it. *Acta Pathol Microbiol Immunol Scand C* 94:253-259.

CONDITIONS

All products are supplied on the understanding that they are for in vitro use only. The information and product are offered without guarantee as the ultimate conditions of use are beyond our control. The animals from which this product was derived have not been exposed to or inoculated with any livestock or poultry disease agents exotic to the United States or Western Europe, and did not originate from facilities where work with exotic disease agents affecting livestock or avian species is carried out.