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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Cell surface-binding protein D8L [LA5] Standard Size Ab04437-2.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This is a reformatted mouse IgG2a Fc Silent™ antibody, based on the original mouse IgG2a format, created for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Mouse IgG2a, [Fc Silent™](#), Kappa

Clone Number: LA5

Alternative Name(s) of Target: OPG105; D8L; VACWR113; Carbonic anhydrase homolog; Cell surface-binding protein OPG105

UniProt Accession Number of Target Protein: P04195

Published Application(s): neutralization, SPR, ELISA

Published Species Reactivity: Vaccinia virus

Immunogen: The original antibody was raised by immunizing a mouse with VACV.

Specificity: This antibody is specific for protein D8 of the vaccinia virus. It binds above the CS-E binding crevice

Application Notes: The original version of this antibody was used for ELISA on recombinant D8 protein. The binding strength of this antibody was also determined using surface plasmon resonance on VAVC D8 (Matho et al., 2012; PMID:22623786). The original antibody was used for neutralization of a intracellular mature virion. It showed that is was only able to neutralize the intracellular mature virion in the present of complement (Matho et al., 2018; PMID:29123031).

Antibody First Published in: Matho et al. Structural and biochemical characterization of the vaccinia virus envelope protein D8 and its recognition by the antibody LA5 J Virol. 2012 Aug;86(15):8050-8.

[PMID:22623786](#)

Note on publication: The original paper describes the biochemical and structural characterization of one of the immunodominant vaccinia virus (VACV) antigen, D8, and its binding to the monoclonal antibody LA5.

Product Form

Size:

100 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.