



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-IDO1 [19C5] Standard Size Ab03196-1.1

Isotype and Format: Mouse IgG1, Kappa

Clone Number: 19C5

Alternative Name(s) of Target: IDO-1; IDO; INDO; Indoleamine 2,3-dioxygenase 1; Indoleamine-pyrrole 2,3-dioxygenase; CGMCC NO 20770; EPR20374

UniProt Accession Number of Target Protein: P14902

Published Application(s): ELISA, IHC

Published Species Reactivity: Human

Immunogen: The original antibody was generated by immunizing mice with recombinant human IDO1 protein.

Specificity: This antibody binds an enzyme called indoleamine 2,3-dioxygenase 1 (IDO1). This molecule catalyzes the first and rate limiting step of the catabolism of the essential amino acid tryptophan along the kynurenine pathway. It is involved in the peripheral immune tolerance, contributing to maintain homeostasis by preventing autoimmunity or immunopathology that would result from uncontrolled and overreacting immune responses. It acts as a suppressor of anti-tumor immunity. IDO1 is the target for therapy in a range of clinical settings, including cancer, chronic infections, autoimmune and allergic syndromes, and transplantation. Elevated IDO1 expression is a hallmark of major viral and bacterial infections.

Application Notes: This antibody can bind human IDO1 in an ELISA. The original mouse IgG1 antibody binds human IDO1 with an affinity constant of $7.68 \times 10^9 \text{ M}^{-1}$. This antibody can be used for the immunohistochemical analysis of various normal and cancerous human tissues like lymph node cells and Hodgkin's lymphoma tissues. The immunohistochemical staining pattern of this antibody is similar to another anti-IDO1 antibody EPR20374 (CN113045667).

Antibody First Published in: [PMID:](#)

Note on publication:

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.