Anti-Myeloperoxidase (MPO) scFv (B10B) [B10BscFv]

Catalogue number: 156520
Sub-type: Primary antibody
Images:

Contributor

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Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-Myeloperoxidase (MPO) scFv (B10B) [B10BscFv]

Alternate name: MPO

Class: Recombinant
Conjugate: Unconjugated
Description: MPO is a mediator enzyme secreted by inflammatory cells e.g. activated neutrophils and monocytes. MPO produces hypochlorous acid (HOCl) from hydrogen peroxide (H2O2) and chloride anion (Cl-) (or the equivalent from a non-chlorine halide) during the neutrophil's respiratory burst, requiring heme as a cofactor. Furthermore, it oxidizes tyrosine to tyrosyl radical using hydrogen peroxide as an oxidizing agent (Heinecke et al., 1993). Both hypochlorous acid and tyrosyl radical are cytotoxic and a...
Purpose: Marker
Parental cell:
Organism:
Tissue:
Model:
Gender:
Isotype:
Reactivity:
Selectivity:
Host: Chicken
Immunogen: Myeloperoxidase
Immunogen UNIPROT ID: TBC
Sequence:
Growth properties:

Production details:
Formulation:
Recommended controls:
Bacterial resistance:
Selectable markers:
Additional notes:

Target details

Target: Myeloperoxidase

Target alternate names:

Target background: MPO is a mediator enzyme secreted by inflammatory cells e.g. activated neutrophils and monocytes. MPO produces hypochlorous acid (HOCl) from hydrogen peroxide (H2O2) and chloride anion (Cl-) (or the equivalent from a non-chlorine halide) during the neutrophil's respiratory burst, requiring heme as a cofactor. Furthermore, it oxidizes tyrosine to tyrosyl radical using hydrogen peroxide as an oxidizing agent (Heinecke et al., 1993). Both hypochlorous acid and tyrosyl radical are cytotoxic and a...

Molecular weight:

Ic50:

Applications

Application: ELISA ; WB
Application notes:

Handling

Format: Liquid
Concentration:
Passage number:
Growth medium:
Temperature:
Atmosphere:
Volume:
Storage medium:
Storage buffer: 1 x PBS
Storage conditions: -20° C avoid repeated freeze and thaw cycles
Shipping conditions: Shipping at 4° C

Related tools

Related tools:

References

References: Spain et al. 2016. Biosens Bioelectron. 77:759-66. PMID: 26513282. ; Conroy et al. 2014. J Biol Chem. 289(22):15384-92. PMID: 24737329.